



P6NS SERIES

Service Manual

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WARNING

To prevent from fire or shock hazard,do not expose monitor to any rain or any form of water.High voltage is inside the monitor so please do not remove the back cover of the cabinet if you are not a qualified monitor engineer.

Contact the local dealer or the nearest **PROVIEW** branch office if you need help.

A. IMPORTANT SAFETY INSTRUCTION

Prior to using this service manual,please ensure that you have carefully followed all the procedures outlined in the user's manual for this product.

- 1.** Read all of these instructions.
- 2.** Save these instructions.
- 3.** Follow all warnings and instructions a marked on the product.
- 4.** Unplug this product from the wall outlet before cleaning.Do not use liquid cleaners or aerosol cleaners, use a damp cloth for cleaning.
- 5.** Do not use this product near water.
- 6.** Do not place this product on an unstable cart,stand or tablle.The product may fall,causing serious damage to the product.
- 7.** Slots and openings in the cabinet and the back or bottom are provided for ventilation,to ensure reliable operation of the product and to protect it from overheating,those openings must not be blocked or covered.The openings should never be blocked by placing the product on a bed,sofa, rug, or other similar surface.This product should not be placed in a built-in installation less proper ventilation is provided.
- 8.** This products should be operated from the type of power source indicated on the marketin label.
If you are not sure of the type of power available, consult your dealer or local power company
- 9.** This product is equipped with a 3-wire grounding type plug,a plug having a third (grounding) pin.This plug will only fit into a grounding-type power outlet.This is a safety feature,if you are unable to insert the plug into the outlet,contact your electrician to replace your obsolete outlet.Do not defeat the purpose of the grounding-type plug.
- 10.** Do not allow anything to rest on the power cord.Do not locate this product where persons will walk on the cord.
- 11.** If an extension cord is used with this product,make sure that the total of the ampere ratings on the product plugged into the extension cord to the waplugged into outlet does not exceed 15 ampere.
- 12.** Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock.Never spill liquid of any kind on the product.
- 13.** Do not attempt to service this product yourself,as opening or removing covers may expose you to dangerous voltage points or other risks.Refer all servicing to service personnel.
- 14.** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.
 - a.** When the power cord or plug is damaged or frayed.
 - b.** If liquid has been spilled into the product.
 - c.** If the product has been exposed to rain or water.
 - d.** If the product does not operate normally,when the operating instructions are followed.Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extension work by a qualified technician to restore the product to normal operation.
 - e.** If the product has been dropped or the cabinet has been damaged.
 - f.** If the product exhibits a distinct change in performance,indicating a need for service.

For Model 786NS,986NS Series

WARNING : This product included critical components which are essential for X-Radiation safety.
See service manual for proper replacement. Maximum 2nd anode voltage must not exceed 30KV at any operating conditions.
To measure 2nd voltage use high impedance meter connect (-) chassis, use a high voltage lead from (+) to 2nd anode.

For Model 572NS Series

WARNING : This product included critical components which are essential for X-Radiation safety.
See service manual for proper replacement. Maximum 2nd anode voltage must not exceed 27KV at any operating conditions.
To measure 2nd voltage use high impedance meter connect (-) chassis, use a high voltage lead from (+) to 2nd anode.

VR501,VR601 has been sealed against improper replacement or defeating the control.
Instructions for proper replacement of such sealed controls should also be provided in the service information.

B. SPECIFICATIONS

562NS,572NS Series

| | | |
|--|--|----------------------|
| 1. Screen | 15 F&S 0.28mm,Antistatic coating | |
| 2. Visible Image Area | 13.70 inches | |
| 3. Active Display Area | 260 mm (H) × 190mm (V) | |
| 4. Synchronization Range | | |
| Horizontal | 30 – 70 KHz ----- (572NS Series) | |
| Vertical | 30 – 55 KHz ----- (562NS Series) | |
| 5. Power Source | 50 – 160 Hz | |
| 6. Power Consumption | 100 – 240 Vac , 60/50 Hz | |
| 7. Input Signal | 70W (max.) | |
| Video | Analog R.G.B. , 0.7Vp-p / 75 Ohm | |
| Sync. | TTL level,positive or negative polarity | |
| 8. Connection Type | 15 Pin D Type | |
| 9. Resolution | 1280 × 1024 pixels ----- (572NS Series) | |
| | 1024 × 768 pixels ----- (562NS Series) | |
| 10. Color Temperature | 9300°K / 6500°K | |
| 11. Dimension (W×H×D) | 359 × 371 × 384 (mm) ----- CA/TA/PX/FX Series | |
| | 14.13 × 14.61 × 15.12 (inch) | |
| | 359 × 384 × 409 (mm) ----- BZ/IZ Series | |
| | 14.13 × 15.12 × 16.10 (inch) | |
| 12. Monitor Weight | 12.5Kg (27.5Lbs) | |
| 13. Base Operation | | |
| Tilt | - 5° / + 15° | |
| Swivel | - 45° / + 45° | |
| 14. Power Saving | | |
| ON | < 70W | |
| OFF | < 5W | |
| 15. Signal Connector Pin Assignment | | |
| Pin No. | | |
| 1. Red | 6. Red Ground | 11. Ground |
| 2. Green | 7. Green Ground | 12. SDA |
| 3. Blue | 8. Blue Ground | 13. Horizontal Sync. |
| 4. Ground | 9. Not Connected | 14. Vertical Sync. |
| 5. Self Test | 10. Sync. Ground | 15. SCL |

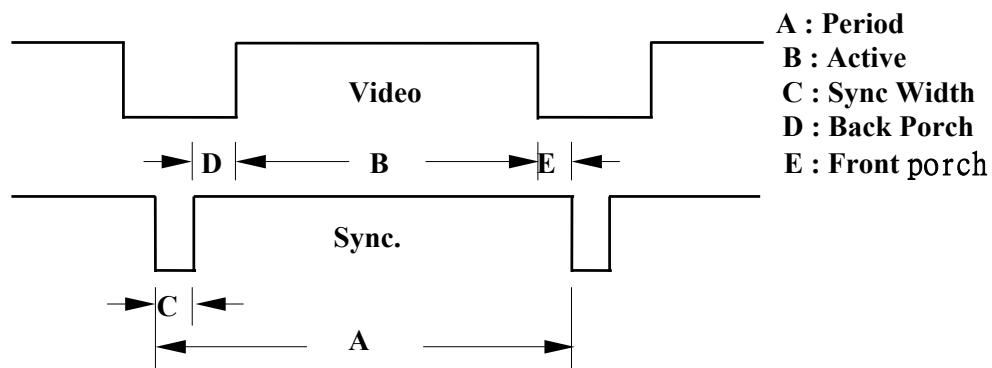
772NS,777NS,786NS,787NS Series

| | | |
|--|---|----------------------|
| 1. Screen | 17" F&S 0.27mm,Antistatic coating (772NS) | |
| 2. Visible Image Area | 17" F&S 0.25mm,Antistatic coating (786NS) | |
| 3. Active Display Area | 17" Pure flat screen,0.25mm,Antistatic coating(777NS,787NS) | |
| 4. Synchronization Range | 15.7 inch ----- (772NS,786NS Series) | |
| Horizontal | 16.02 inch ----- (777NS,787NS Series) | |
| Vertical | 310mm (H) × 230mm (V) | |
| 5. Power Source | 30 – 70 KHz ----- (772NS,777NS Series) | |
| 6. Power Consumption | 30 – 86 KHz ----- (786NS,986NS Series) | |
| | 50 – 160 Hz | |
| | 100 – 240 Vac , 60/50 Hz | |
| | 75W (max.) ----- (772NS Series) | |
| | 100W (max.) ----- (777NS,786NS Series) | |
| | 110W (max.) ----- (787NS Series) | |
| 7. Input Signal | Analog R.G.B. , 0.7Vp-p / 75 Ohm | |
| Video | TTL level,positive or negative polarity | |
| Sync. | | |
| 8. Connection Type | 15 Pin D Type | |
| 9. Resolution | 1600 × 1200 pixels | |
| 10. Color Temperature | 9300°K / 6500°K | |
| 11. Dimension (W×H×D) | 410 × 410 × 420 (mm) ----- CA/TA/PX/FX Series 16.14 × 16.14 × 16.54 (inch) 406×413 × 435 (mm) ----- BZ/IZ Series 15.98 × 16.26 × 17.13 (inch) 406 × 400 × 416 (mm) ----- DF Series 15.98 × 15.75 × 16.38 (inch) 406 × 407 × 417 (mm) ----- DX Series 15.98 × 16.02 × 16.42 (inch) 410 × 412 × 420 (mm) ----- PF Series 16.14 × 16.22 × 16.53 (inch) 16.5Kg (36.3Lbs) ----- 772NS,786NS Series 18.5Kg (40.7Lbs) ----- 777NS,787NS Series | |
| 12. Monitor Weight | | |
| 13. Base Operation | | |
| Tilt | - 5° / + 15° | |
| Swivel | - 45° / + 45° | |
| 14. Power Saving | | |
| ON | < 75W ----- (772NS Series) < 100W ----- (777NS,786NS Series) < 110W ----- (787NS Series) < 5W | |
| OFF | | |
| 15. Signal Connector Pin Assignment | | |
| Pin No. | | |
| 1. Red | 6. Red Ground | 11. Ground |
| 2. Green | 7. Green Ground | 12. SDA |
| 3. Blue | 8. Blue Ground | 13. Horizontal Sync. |
| 4. Ground | 9. Not Connected | 14. Vertical Sync. |
| 5. Self Test | 10. Sync. Ground | 15. SCL |

986NS Series

| | | |
|--|--|----------------------|
| 1. Screen | 19" F&S 0.25mm,Antistatic coating | |
| 2. Visible Image Area | 17.9 inch | |
| 3. Active Display Area | 360mm (H) × 270mm (V) | |
| 4. Synchronization Range | | |
| Horizontal | 30 – 86 KHz | |
| Vertical | 50 – 160 Hz | |
| 5. Power Source | 100 – 240 Vac , 60/50 Hz | |
| 6. Power Consumption | 110W (max.) | |
| 7. Input Signal | | |
| Video | Analog R.G.B. , 0.7Vp-p / 75 Ohm | |
| Sync. | TTL level,positive or negative polarity | |
| 8. Connection Type | 15 Pin D Type | |
| 9. Resolution | 1600 × 1200 pixels | |
| 10. Color Temperature | 9300°K / 6500°K | |
| 11. Dimension (W×H×D) | | |
| | 446 × 462 × 454 (mm) ----- PX Series | |
| | 17.56 × 17.80 × 17.87 (inch) | |
| | 446 × 460 × 475 (mm) ----- BZ/IZ Series | |
| | 17.56 × 18.11 × 18.70 (inch) | |
| 12. Monitor Weight | 19.6Kg (43.1 Lbs) | |
| 13. Base Operation | | |
| Tilt | - 5° / + 15° | |
| Swivel | - 45° / + 45° | |
| 14. Power Saving | | |
| ON | < 110W | |
| OFF | < 5W | |
| 15. Signal Connector Pin Assignment | | |
| Pin No. | | |
| 1. Red | 6. Red Ground | 11. Ground |
| 2. Green | 7. Green Ground | 12. SDA |
| 3. Blue | 8. Blue Ground | 13. Horizontal Sync. |
| 4. Ground | 9. Not Connected | 14. Vertical Sync. |
| 5. Self Test | 10. Sync. Ground | 15. SCL |

C. TIMING CHART



| Preset Modes | VGA 640 x 480 | VGA 720 x 400 | VESA 800 x 600 | VESA 640 x 480 | XGA 1024 x 768 | SIEMENS 640 x 480 | VESA 800 x 600 | VESA 1024 x 768 | SIEMENS 800 x 600 | VESA 1024 x 768 | VESA 1280 x 1024 |
|--------------------|------------------|------------------|-------------------|-------------------|-------------------|----------------------|-------------------|--------------------|----------------------|--------------------|---------------------|
| Dot Rate (MHz) | 25.175 | 28.322 | 40.000 | 36.000 | 65.000 | 40.500 | 56.25 | 78.750 | 67.5 | 94.5 | 135 |
| F.H (KHz) | 31.469 | 31.469 | 37.879 | 43.269 | 48.363 | 50.600 | 53.674 | 60.023 | 63.92 | 68.677 | 79.976 |
| A-Period (uS) | 31.778 | 31.778 | 26.400 | 23.111 | 20.677 | 19.752 | 18.631 | 16.660 | 15.644 | 14.561 | 12.504 |
| B- Active (uS) | 25.422 | 25.422 | 20.000 | 17.778 | 15.754 | 15.802 | 14.222 | 13.003 | 11.852 | 10.836 | 9.481 |
| C-Sync (uS) | 3.813 | 3.813 | 3.200 | 1.556 | 2.092 | 1.58 | 1.138 | 1.219 | 0.948 | 1.016 | 1.067 |
| D-Back Porch (uS) | 1.907 | 1.907 | 2.200 | 2.222 | 2.462 | 1.975 | 2.702 | 2.235 | 2.370 | 2.201 | 1.837 |
| E-Front Porch (uS) | 0.318 | 0.318 | 1.000 | 1.556 | 0.369 | 0.395 | 0.569 | 0.203 | 0.474 | 0.508 | 0.119 |
| F . V (Hz) | 59.941 | 70.087 | 60.317 | 85.0 | 60.004 | 100.1 | 85.061 | 75.029 | 100.0 | 84.997 | 75.025 |
| A-Period (mS) | 16.683 | 14.268 | 16.579 | 11.764 | 16.666 | 9.995 | 11.756 | 13.328 | 9.997 | 11.765 | 13.329 |
| B- Active (mS) | 15.253 | 12.711 | 15.840 | 11.093 | 15.880 | 9.481 | 11.179 | 12.795 | 9.387 | 11.183 | 12.804 |
| C-Sync (mS) | 0.064 | 0.064 | 0.106 | 0.069 | 0.124 | 0.059 | 0.056 | 0.050 | 0.047 | 0.044 | 0.038 |
| D-Back Porch (mS) | 1.049 | 1.112 | 0.607 | 0.578 | 0.600 | 0.435 | 0.503 | 0.466 | 0.548 | 0.524 | 0.475 |
| E-Front Porch (mS) | 0.254 | 0.222 | 0.026 | 0.023 | 0.062 | 0.02 | 0.019 | 0.017 | 0.016 | 0.015 | 0.013 |
| H/V SYNC | - . - | - . + | - . - | + . + | - . - | - . - | + . + | + . + | + . + | + . + | + . + |
| Interlaced | NON | NON | NON | NON | NON | NON | NON | NON | NON | NON | NON |

D. CONTROL LOCATION

Font control panel

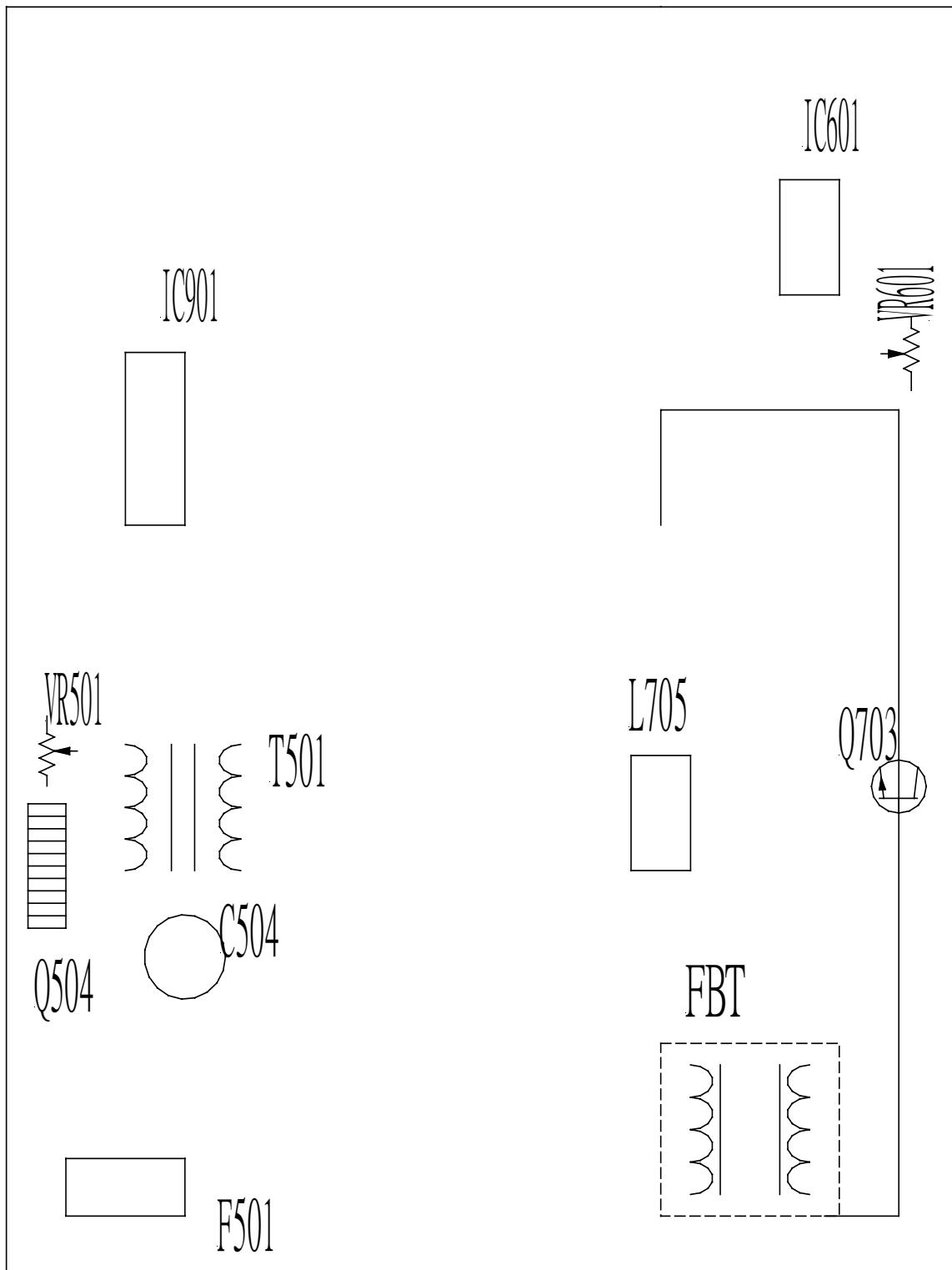
One key type

Four key type

- a.** Power Switch
- b.** Power Indicator
- c.** Encoder
- d.** Enhance Key

- a.** Power Switch
- b.** Power Indicator
- c.** Exit
- d.** + Adjust
- e.** - Adjust
- f.** Menu

E. ADJUSTMENT CONTROL LOCATION



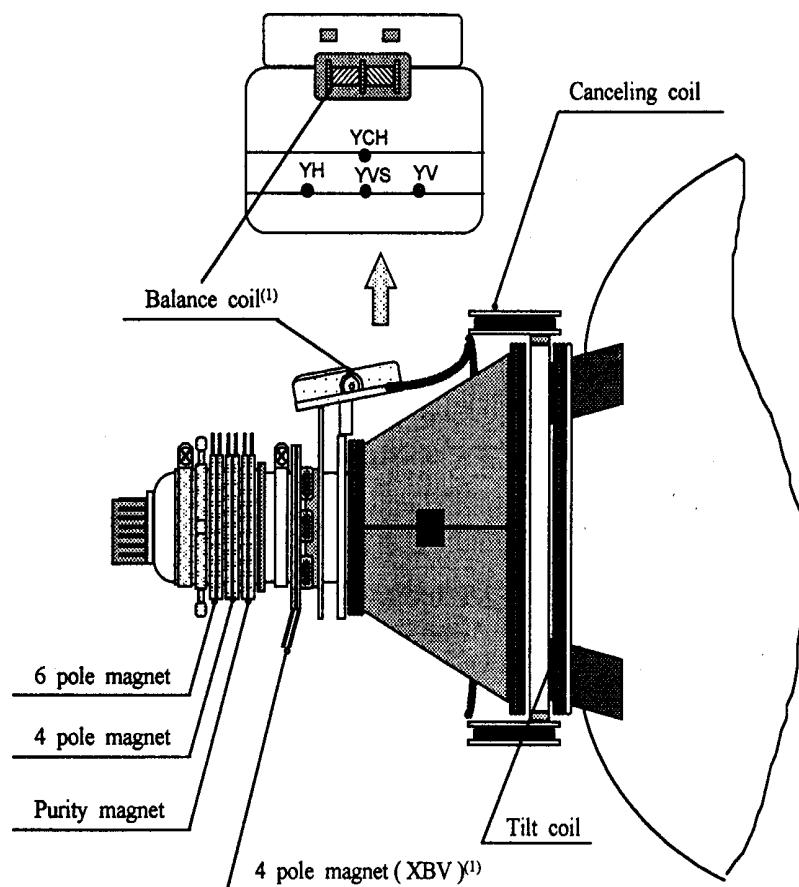
F. ADJUSTMENT PROCEDURE

| ITEM Program Menu. | | # Test Meter * Test Point @ Pattern | Operation | Adjusting Value |
|-----------------------|---------------------|--|---|---|
| A | B+ Adjust | # Digital Voltmeter * D510 Negative @ Crosshatch Pattern (31.5KHz,640x480) | 1. Make the adjustment to the value shown at right by turning the VR501 on the main PCB. | 15.5V ±0.2V |
| B | High Voltage Adjust | # Digital Voltmeter # High Voltage Probe * Anode Cap-GND @ Crosshatch Pattern (31.5KHz,640x480) | 1. Turn the power switch of the monitor OFF . 2. Connect high voltage probe to Anode Cap and GND. 3. Turn the power switch of the monitor ON . (15 minutes) 4. Make the adjustment to the value shown at right by turning the VR601 on the main PCB. | 26.0KV (17",19") 25.0KV ±0.1KV (15") |
| C | Preset Adjust | @ Crosshatch (31.5KHz,640x480) | <p>1. Turn the power switch of the monitor OFF. 2. Hold encoder key,then turn the power switch of the monitor ON.(one key type) Hold MENU key,then turn the power switch of the monitor ON.(four key type) 3. Turn encoder/MENU key,make sure into preset picture,if not ,please return 1-2. 4. Please following the procedure of selection and adjusting an item using the OSD system as below steps for main function adjustent.</p> <p>One key model : Step 1 : Press and relese the OSD control knob to activate the OSD menu. Step 2 : Turn the knob to highlight the desired option of OSD icon. Step 3 : Press and release the knob again to access the option. The color of the inner area of the OSD will changed from blue to green. Step 4 : To make your adjustment,turn the knob clockwise to increase or countclockwise to decrease the setting. Step 5 : Press and release the knob again to store the change.the color of the inner area will go back to blue.You can select EXIT icon and press the knob the exit the OSD menu.</p> | Contrast : MAX. Brightness : MAX. H-Size : 260mm(15") 310mm(17") 360mm(19") V-Size : 190mm(15") 230mm(17") 270mm(19") H-Posi. : Center V-Posi : Center |

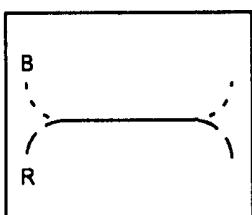
| ITEM Program Menu. | | # Test Meter * Test Point @ Pattern | Operation | Adjusting Value |
|-----------------------|---------------------------------|---|--|---|
| C | Preset Adjust | | <p>Four key model :</p> <p>Step 1 : Press and release the OSD control knob to activate the OSD menu.</p> <p>Step 2 : Press +/▲or -/▼key to highlight the desired option of OSD icon.</p> <p>Step 3 : Press and release MENU key to access the option. The color of the inner area of the OSD will change from blue to green.</p> <p>Step 4 : To make your adjustment, press +/▲or -/▼key to decrease the setting.</p> <p>Step 5 : Press and release MENU key to store the change. The color of the inner area will go back to blue. You can select other function to make adjustment by +/▲or -/▼. Also you can select exit icon or press Exit key to exit the OSD menu.</p> | Other adj. : Best Point |
| D | Background White Balance Adjust | # Color Analyzer @ R.G.B off (68KHz,1024x768) | <ol style="list-style-type: none"> Set the contrast to MAX., Brightness to Y=0.7 set color is 9300°K using the OSD. Set the OSD to COLOR of sub menu and press knob. Make the adjustment R.G.B BIAS low light to the value shown at right by using encoder. | $Y = 0.7 \pm 0.1$ $x = 0.283 \pm 0.01$ $y = 0.297 \pm 0.01$ |
| E | White Balance Adjust | # Color Analyzer # Oscilloscope * Cathode G @ 3" block (68KHz,1024x768) | <ol style="list-style-type: none"> Move the OSD to the R.G.B. DRIVE. Move the OSD to the G DRIVE and make the adjustment to the value shown at right by using encoder. Move the OSD to the R,B-DRIVE and make the Adjustment to the value shown at right by using Encoder. | 37VP-P $x = 0.283 \pm 0.01$ $y = 0.297 \pm 0.01$ |
| F | ABL Adjust | # Color Analyzer @ Full White (64KHz,1280x1024) | <ol style="list-style-type: none"> Set the contrast to MAX., Brightness to MAX. Make the adjustment to the value shown at right by adjustment ABL on the OSD menu. | $Y = 33FL$ |
| G | Other Function Setting | @ Full White (64KHz,1280x1024) | <ol style="list-style-type: none"> Set the FREQ. to 55 (562NS) 72 (777NS,772NS,572NS) 87 (786NS,787NS,986NS) Set the OSD to PROVIEW Set the BURN to Disable Set the TIME to 15 Set the DEFO to TDA9113/9112 (786NS,787NS,986NS) TDA9115 (772NS,572NS,562NS) | |

| ITEM Program Menu. | | # Test Meter * Test Point @ Pattern | Operation | Adjusting Value |
|-----------------------|----------------------------------|---|--|--|
| H | Dynamic Focus Adjust | # Oscilloscope * FBT Pin14 @ Full White (31.5KHz,640x480) | <p>1. Set the contrast to MAX.,and adjustment Brightness to the raster just appear.</p> <p>2. Make the adjustment to the value shown at right by adjust the VF on the OSD menu.</p> <p>3. Make the check to the value shown at right by adjust the HF on the OSD menu.</p> | VF : 140(17") 150(19") $\pm 10\text{VP-P}$ HF : 430(17") 450(19") $\pm 10\text{VP-P}$ |
| I | Purity Adjust | @ Magenta color (31.5KHz,640x480) | <p>1. Adjust the purity magnet is in magneta color.</p> <p>2. Turning two overlapping pawels in opposite directions.</p> <p>3. Move them until they are at the same angle, 9 o'clock and 3 o'clock respectively.</p> | |
| J | Static Convergence Adjust | @ Magenta color (31.5KHz,640x480) | <p>1. Open the two pawels of the 4 pole magnets to allow the red and blue vertical lines to unite.</p> <p>2. Open and rotate the two pawels at a contrast angle so that the red and blue horizontal lines can unite.</p> <p>3. If the vertical lines deviates,open the two powals at the deviation position and make a monitor adjustment by changing its angle.</p> <p>4. Display white crosshatch pattern.</p> <p>5. Make the red and blue vertical lines at the center unite with the green by opening the two 6 pole pawels.</p> <p>6. Rotate the two pawels at contrast angle so that the red and blue horizontal lines can unite with the green.</p> <p>7. If the vertical lines deviate,change the angle of Pawels from the deviation position.</p> | |

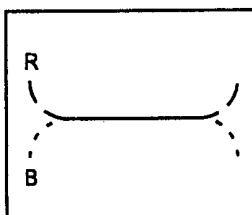
ADJUSTMENT CONTROL LOCATION



Four-pole magnet B

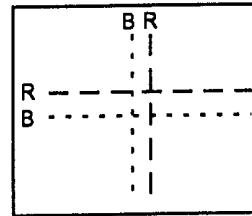
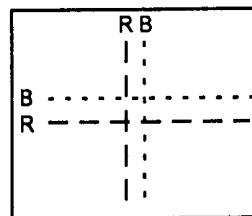


Beams are twisted lefthand

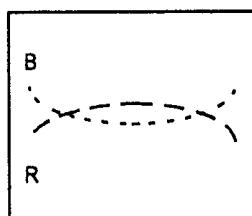


Beams are twisted righthand

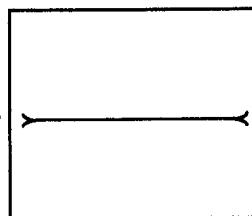
Four-pole magnet A



For example lefthand

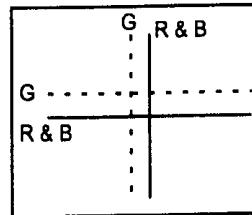
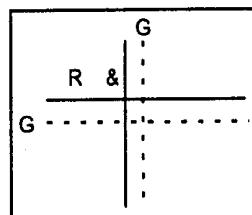


With four-pole magnet B ④

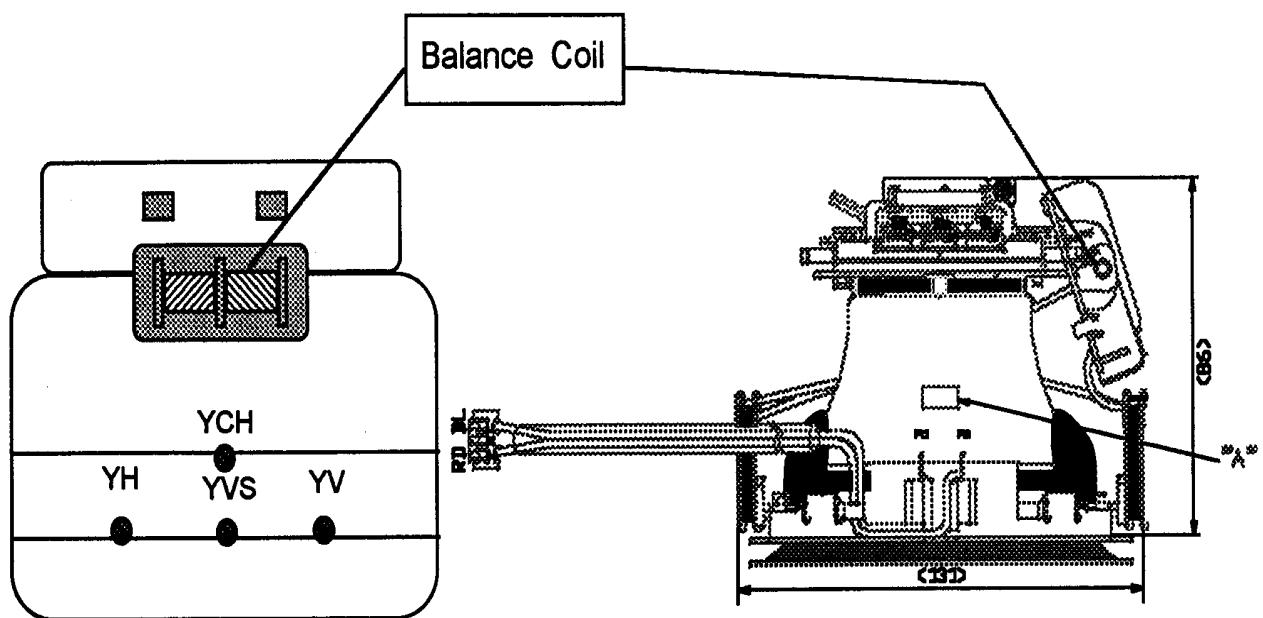


With four-pole magnet A ⑥

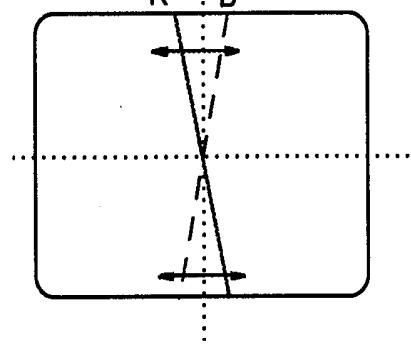
Six-pole magnet



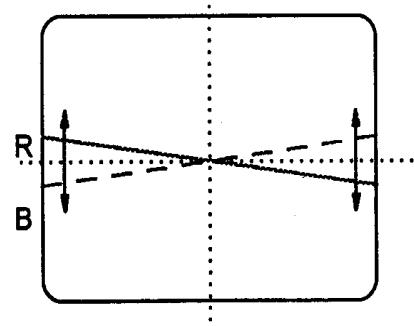
Convergence Adjusting Method



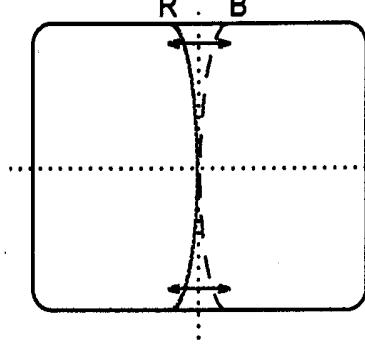
* YCH : YCH Adjusting
R B



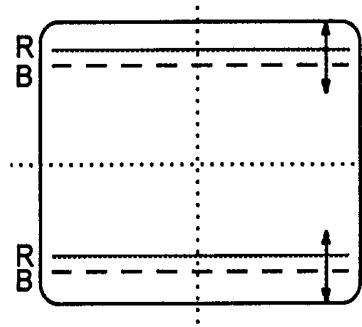
* Balance Coil : XCV Adjusting



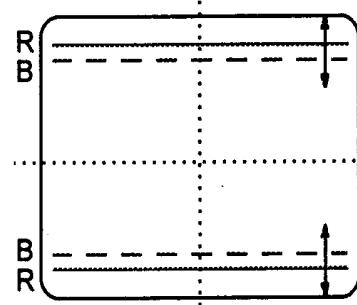
* YH : YBH Adjusting
R B



* YVS : YVS Adjusting

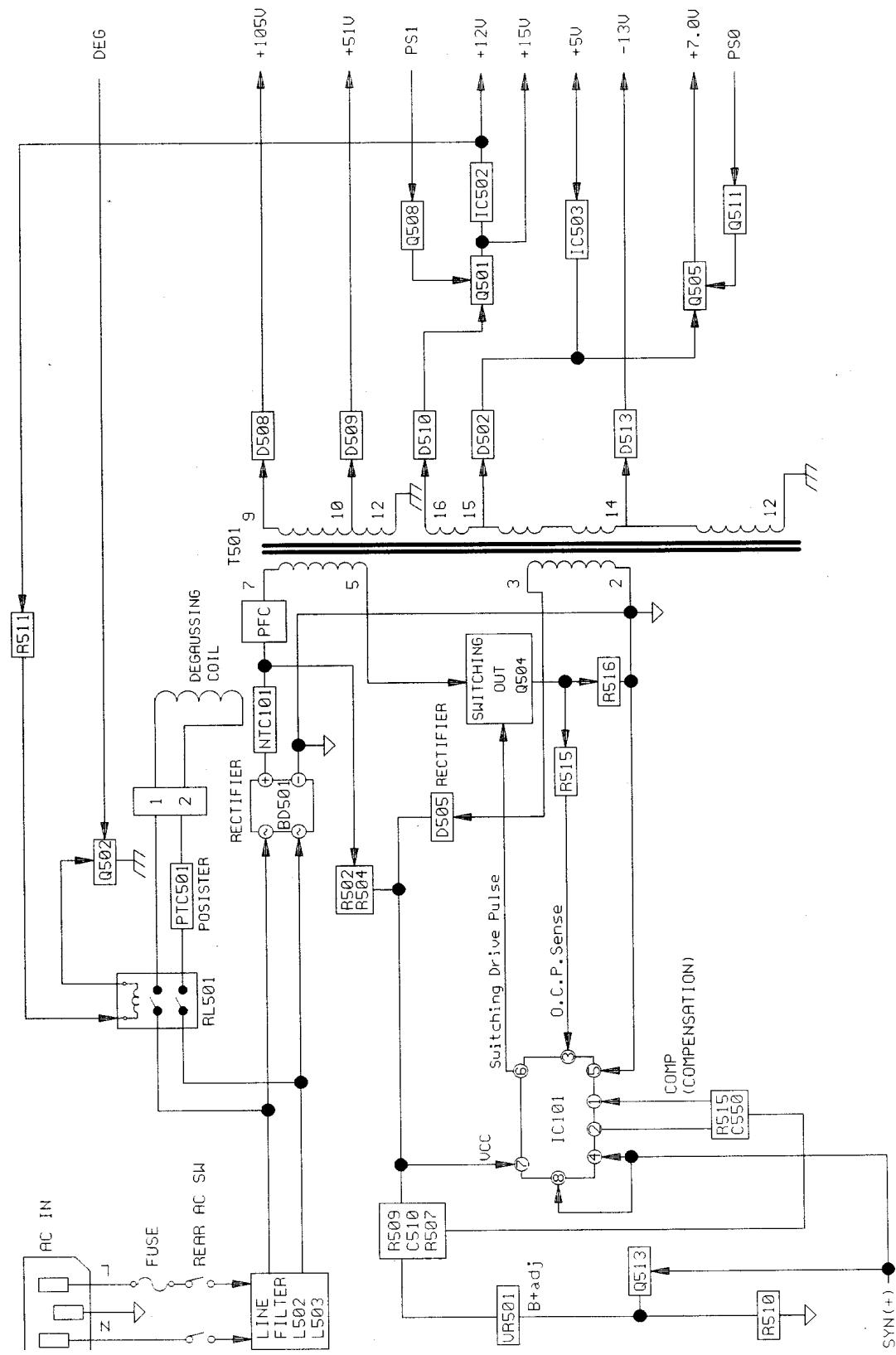


* YV : Tilt Adjusting

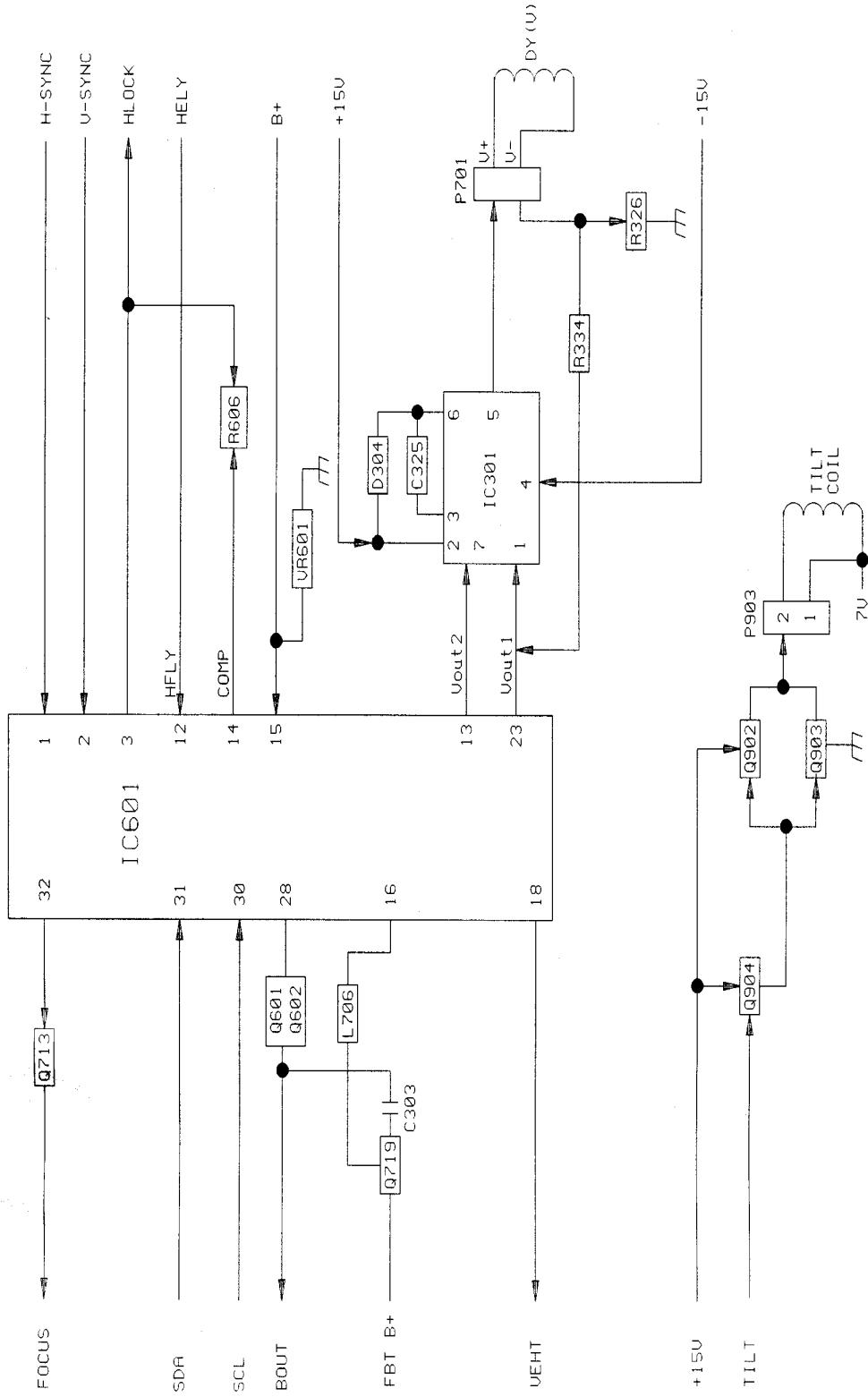


G. BLOCK DIAGRAM

SHEET 1 / POWER SUPPLY



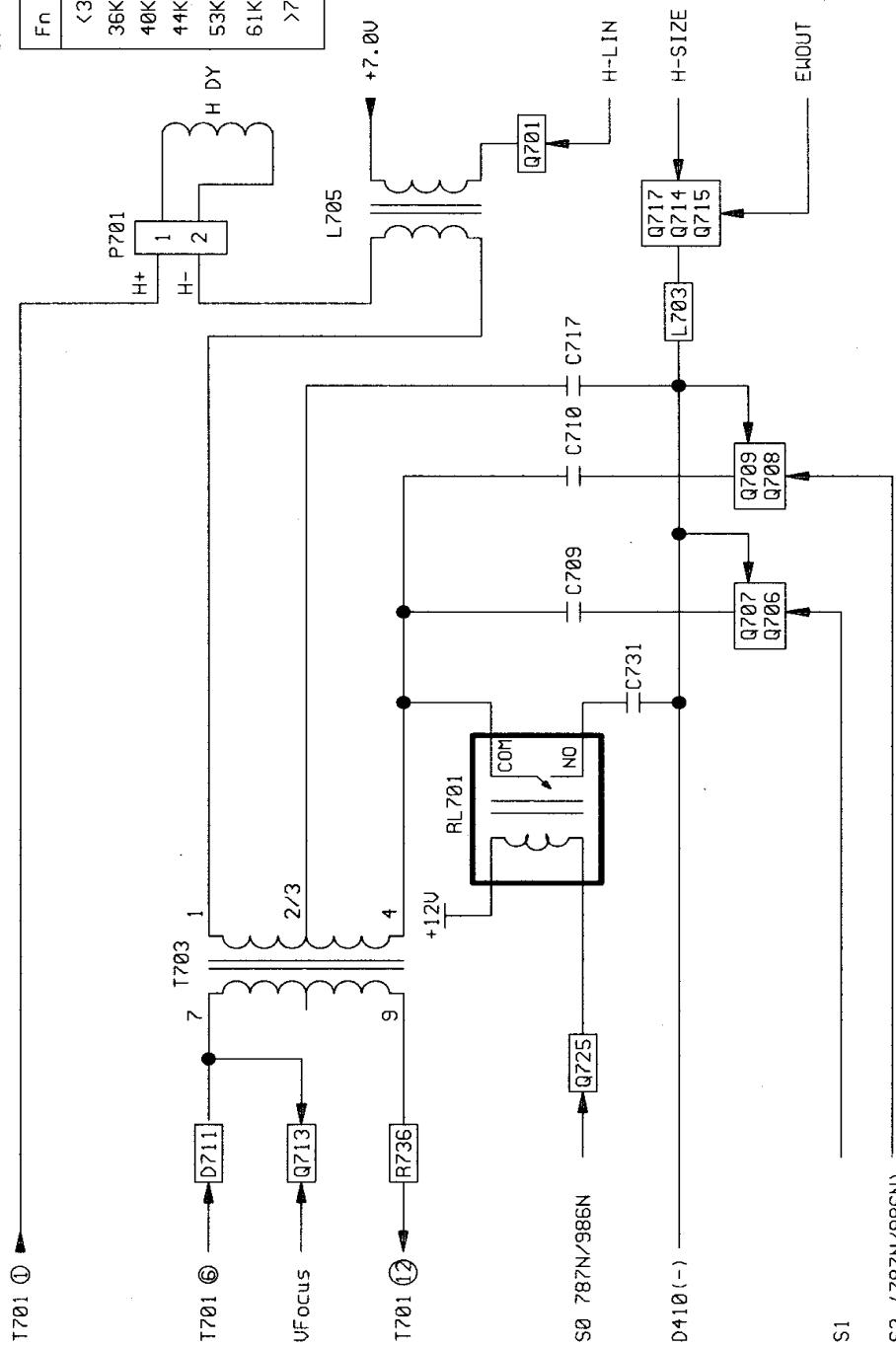
SHEET 2 H/V CONTROL/U OUT/TILT CONTROL



SHEET 3 H DRIVE/H OUT/H LIN/H-SIZE

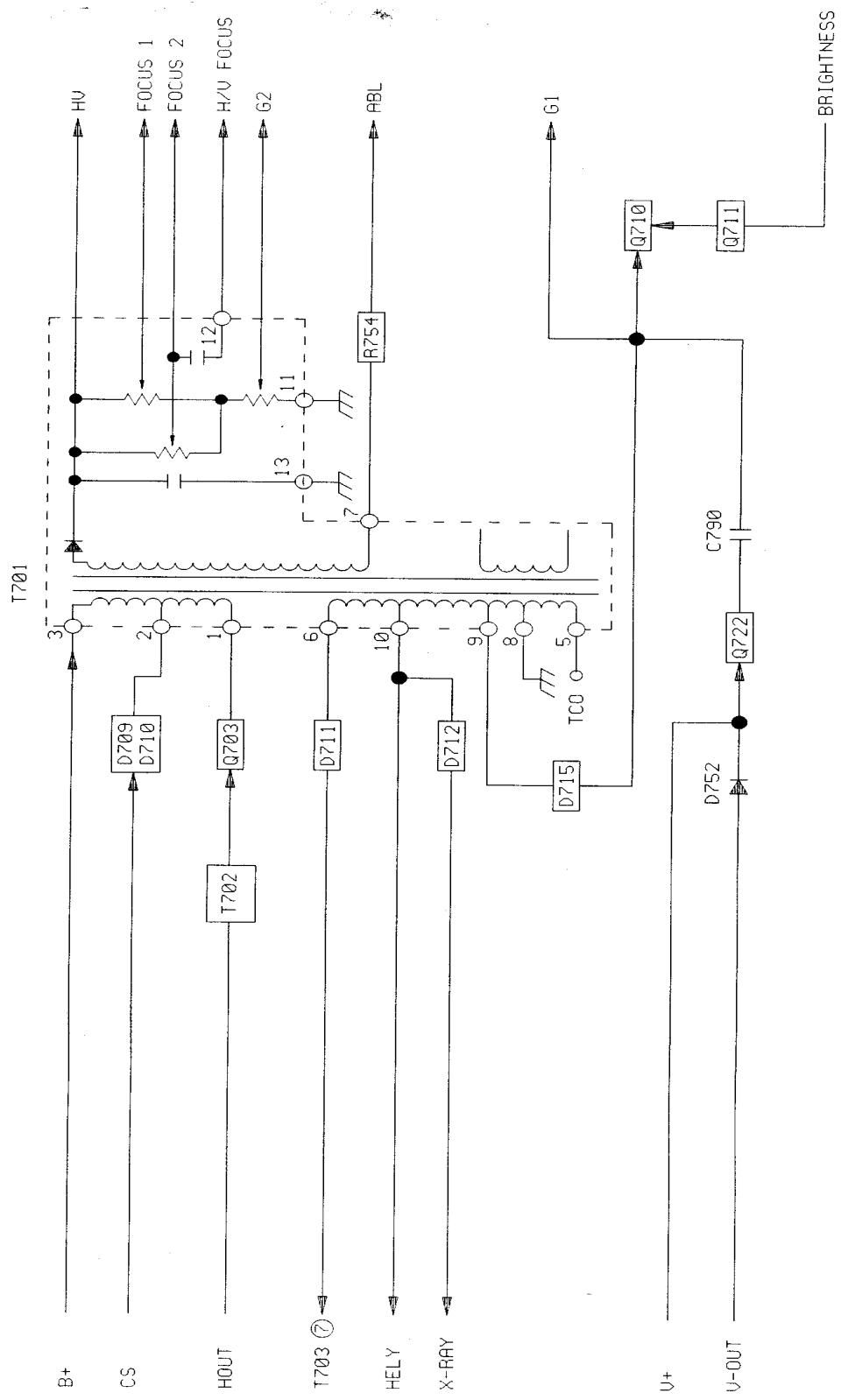
Cs TABLE (787N/986N)

| Fn | S0 | S1 | S2 |
|---------|----|----|----|
| <36K | 0 | 0 | 0 |
| 36K-40K | 0 | 1 | 0 |
| 40K-44K | 0 | 1 | 1 |
| 44K-53K | 1 | 0 | 0 |
| 53K-61K | 1 | 0 | 1 |
| 61K-73K | 1 | 1 | 0 |
| >73K | 1 | 1 | 1 |

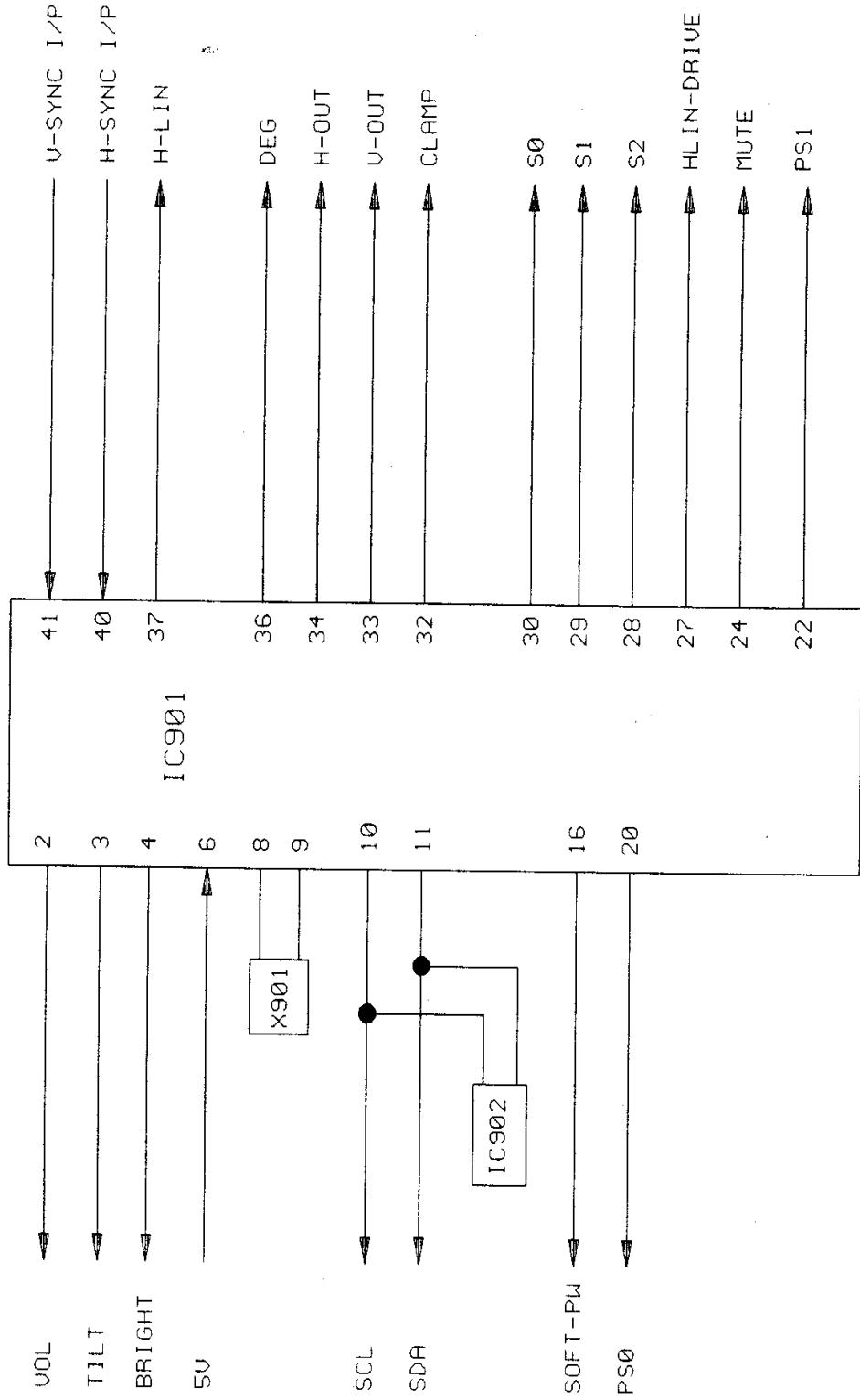


S1
S2 (787N/986N)
S0 (562N/572N/772N)

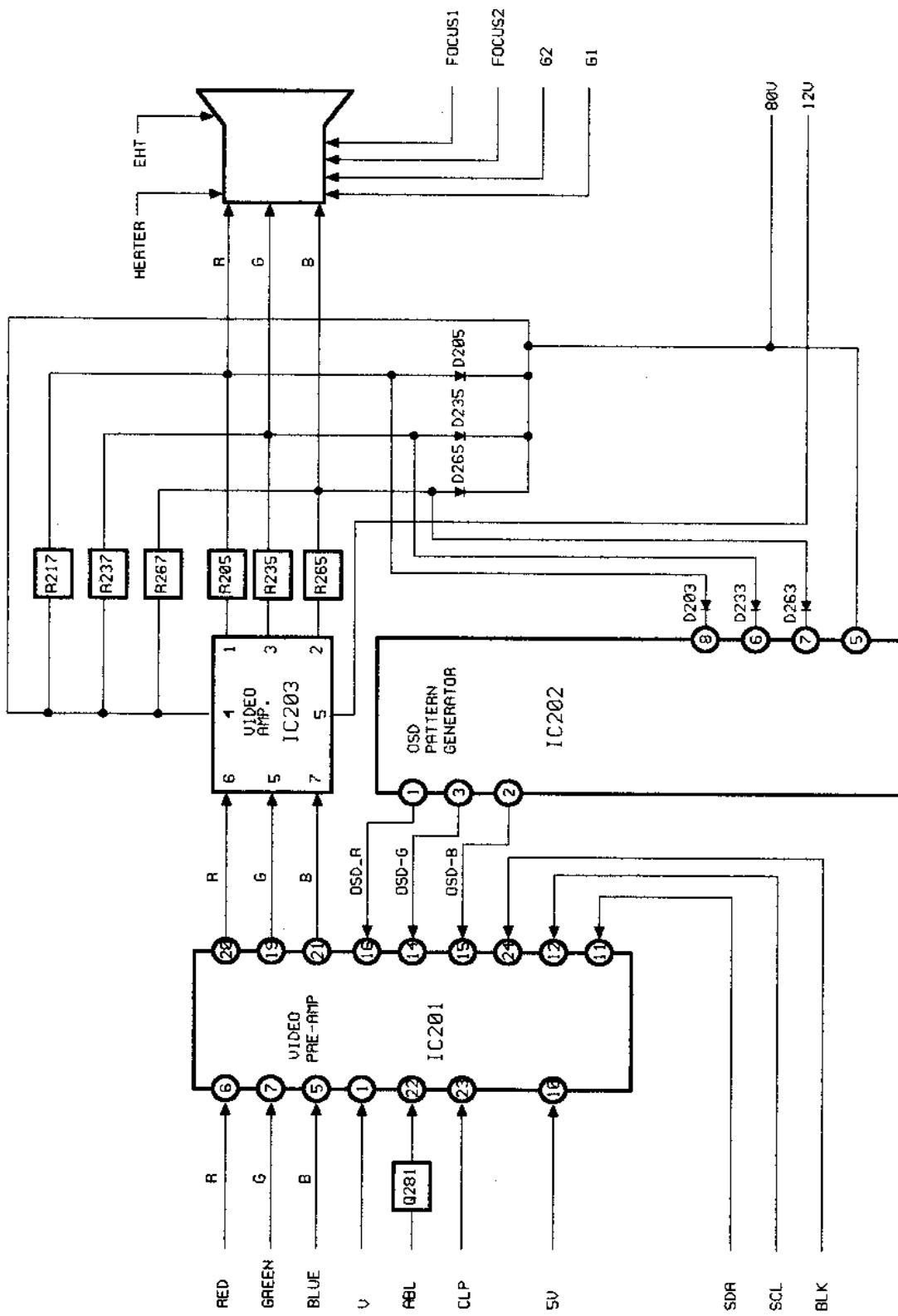
SHEET 4 EHT OUT / DYNAMIC FOCUS



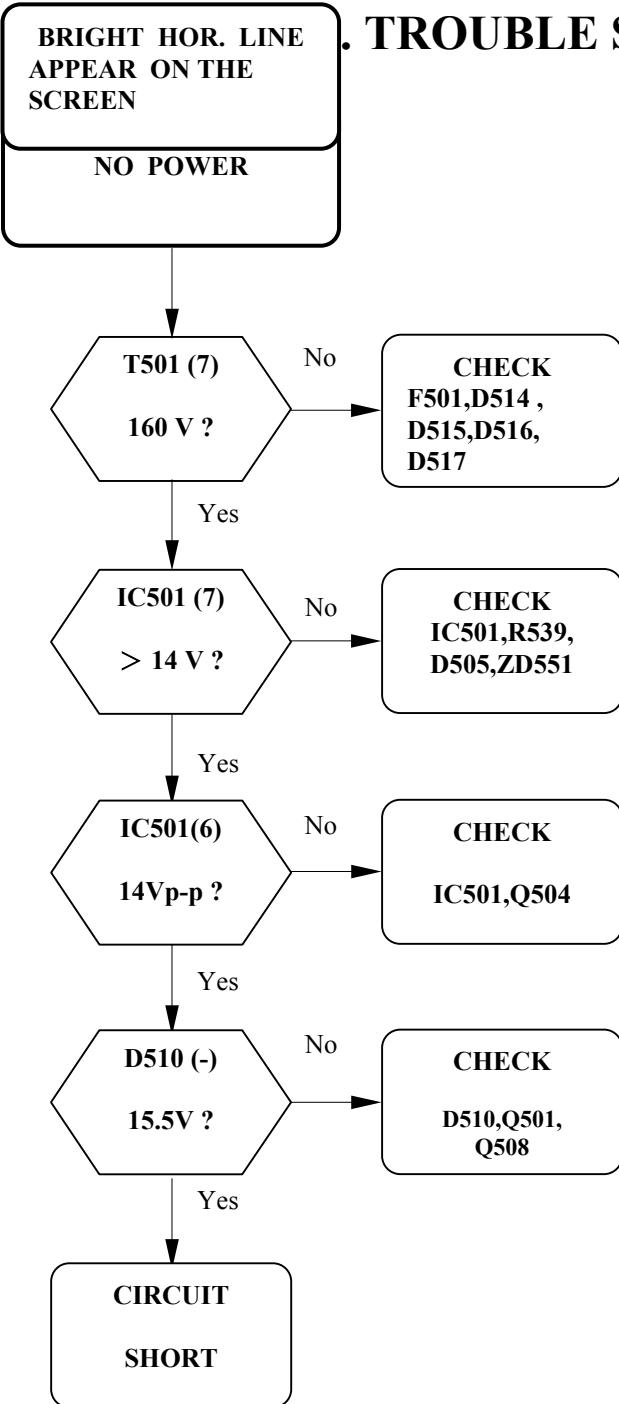
SHEET 5 MICON CONTROLLER



SHEET 6 VIDEO

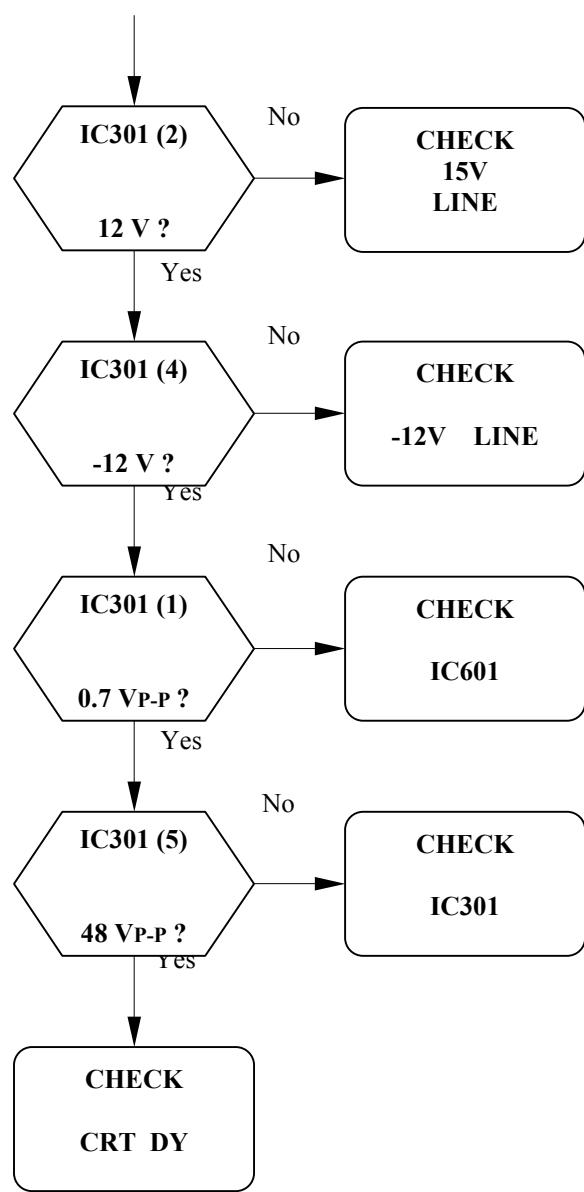


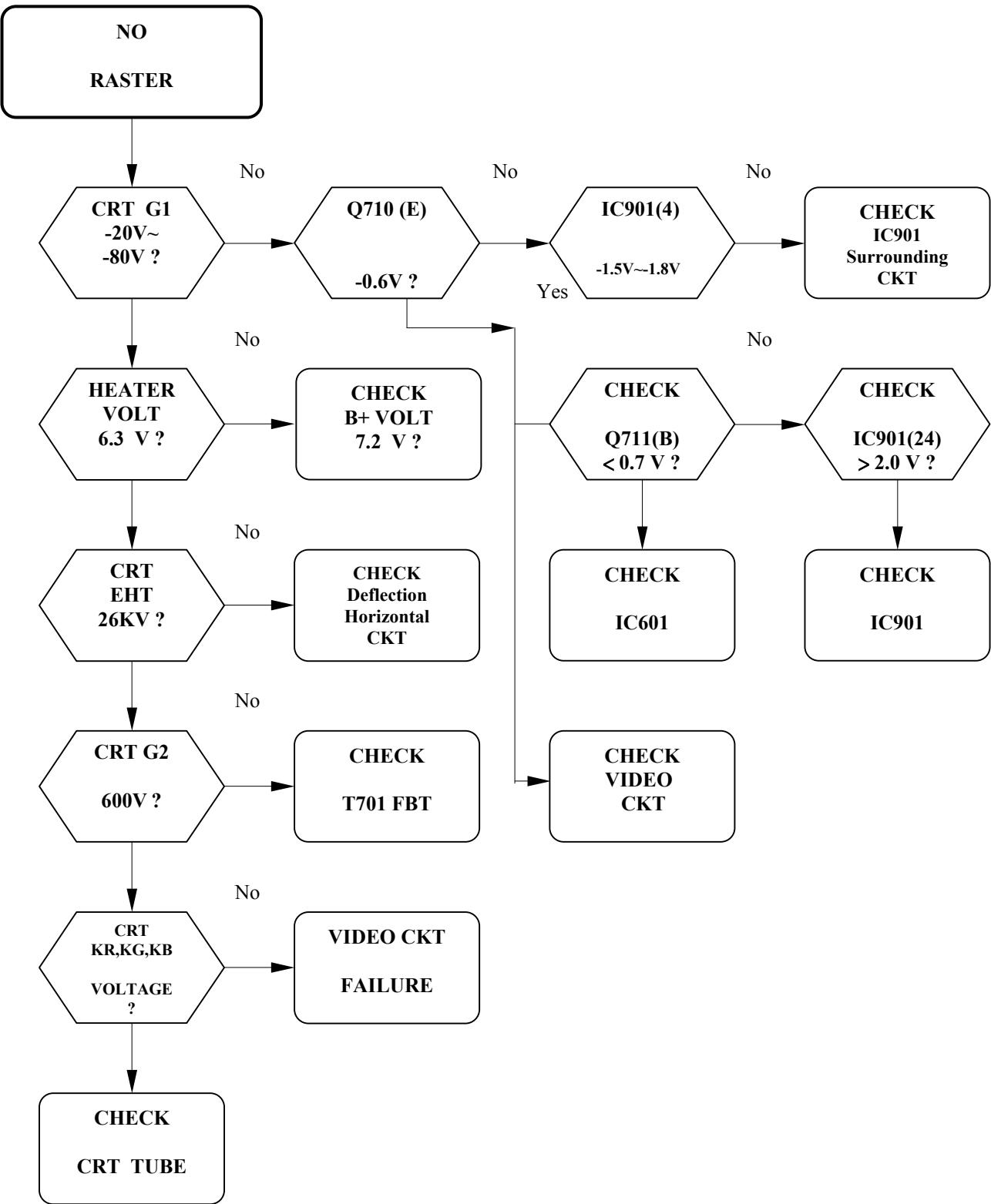
. TROUBLE SHOOTING HINTS

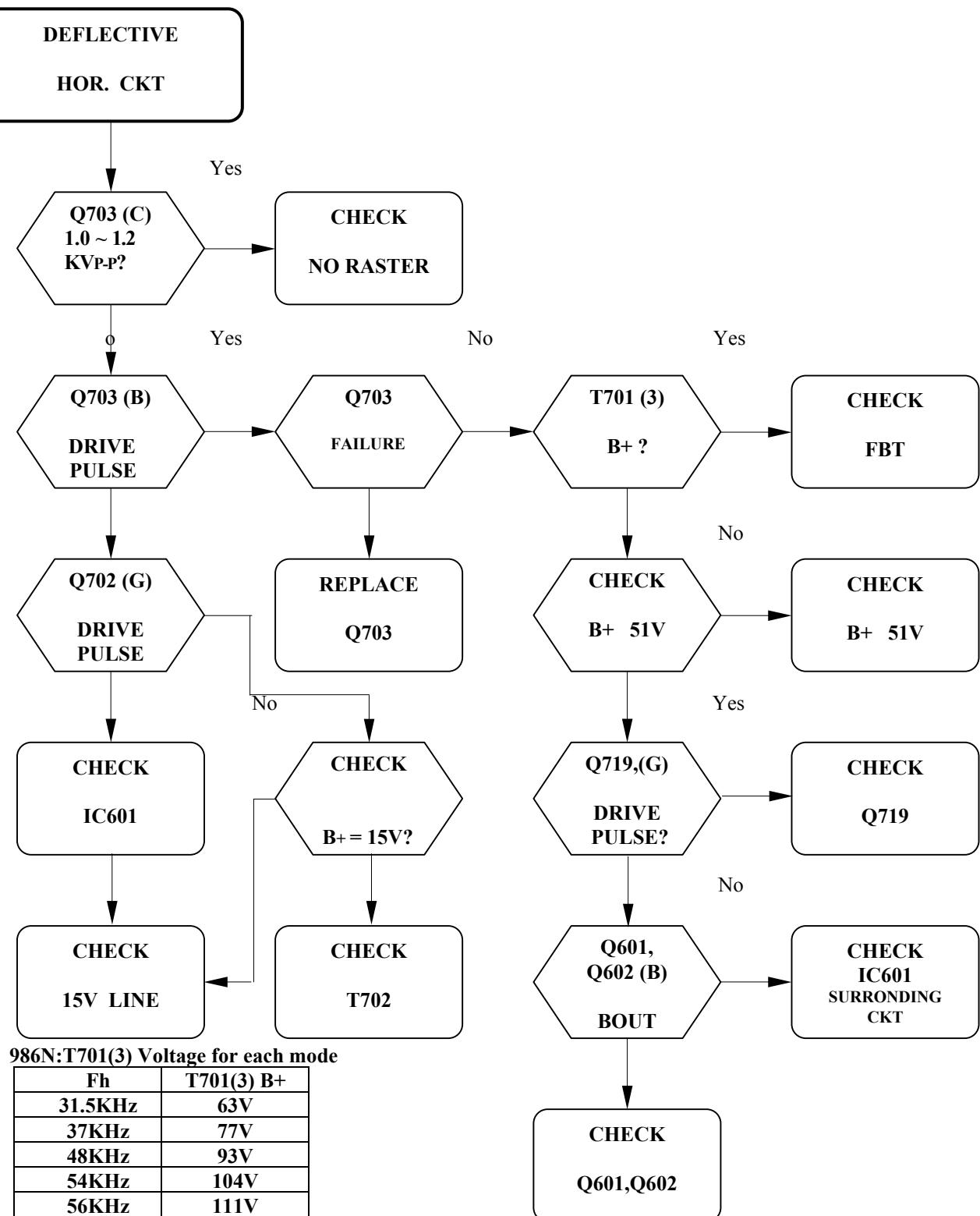


T501(7) VOLTAGE

| | |
|-----------|------|
| AC120V IN | 160V |
| AC220V IN | 294V |
| AC230V IN | 308V |

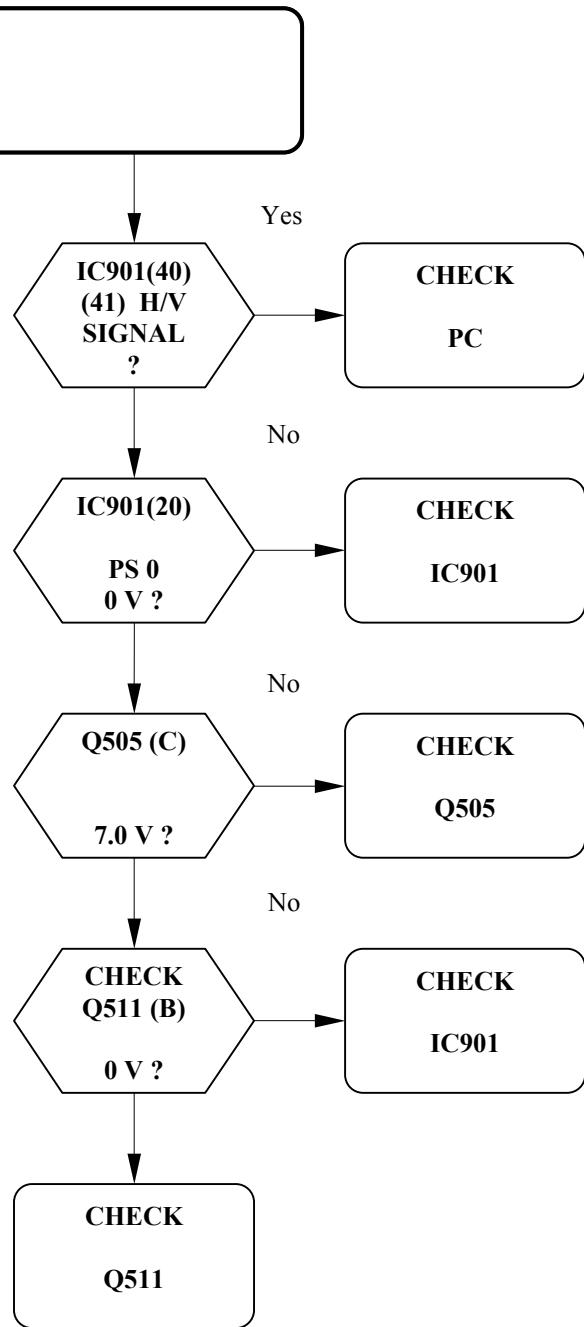






986N:T701(3) Voltage for each mode

| Fh | T701(3) B+ |
|---------|------------|
| 31.5KHz | 63V |
| 37KHz | 77V |
| 48KHz | 93V |
| 54KHz | 104V |
| 56KHz | 111V |
| 64KHz | 127V |
| 68KHz | 139V |
| 75KHz | 153V |
| 80KHz | 166V |
| 86KHz | 181V |

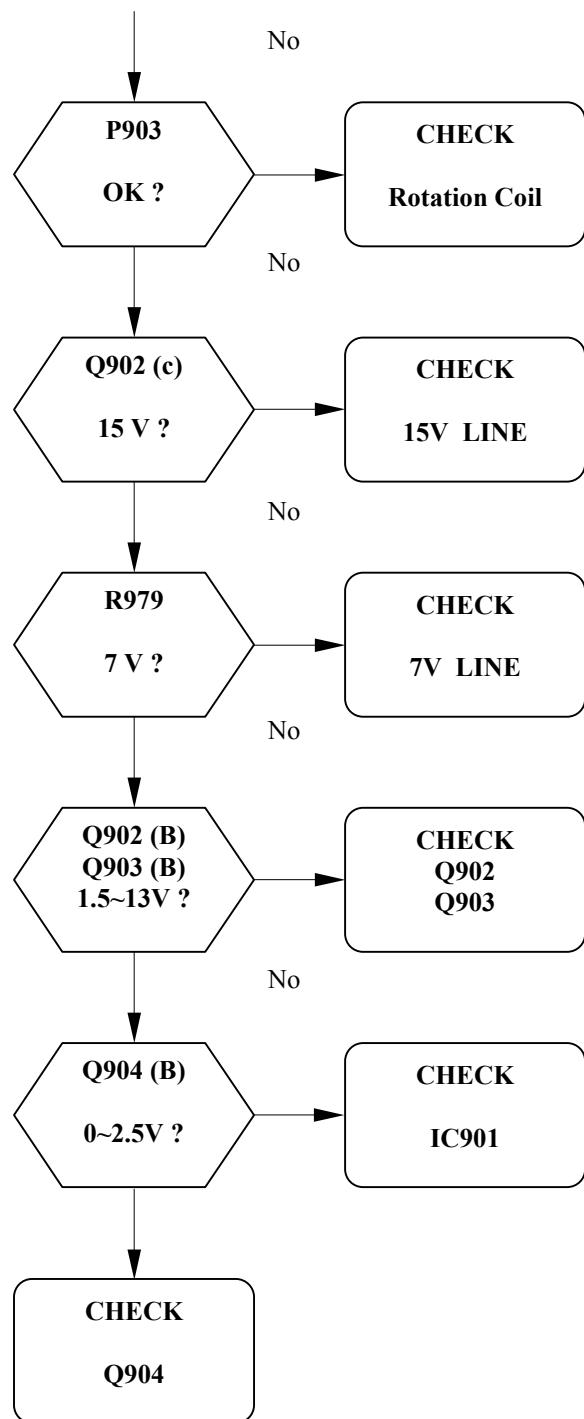


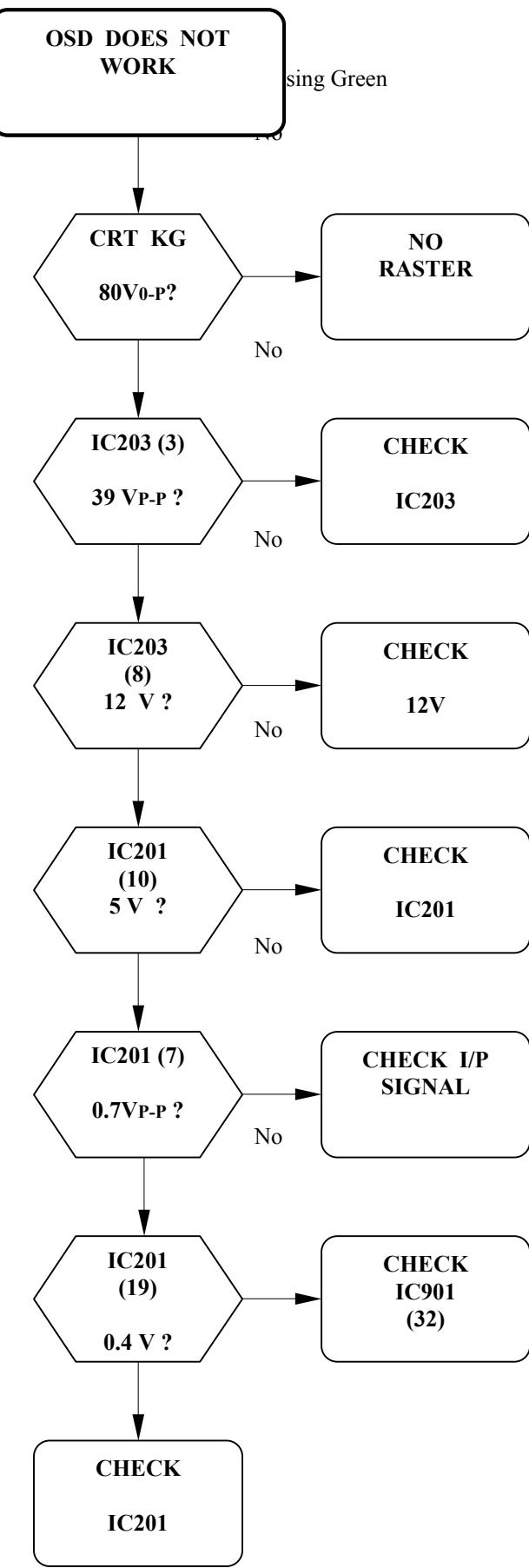
VESA STANDARD DPMS

| ITEM MODE | H/V Sync. | VIDEO | LED GREEN |
|-----------------|----------------|---------------|----------------|
| NORMAL | ON/ON | NORMAL | ON |
| STAND BY | OFF/ON | OFF | FLICKER |
| SUSPEND | ON/OFF | OFF | FLICKER |
| OFF | OFF/OFF | OFF | FLICKER |

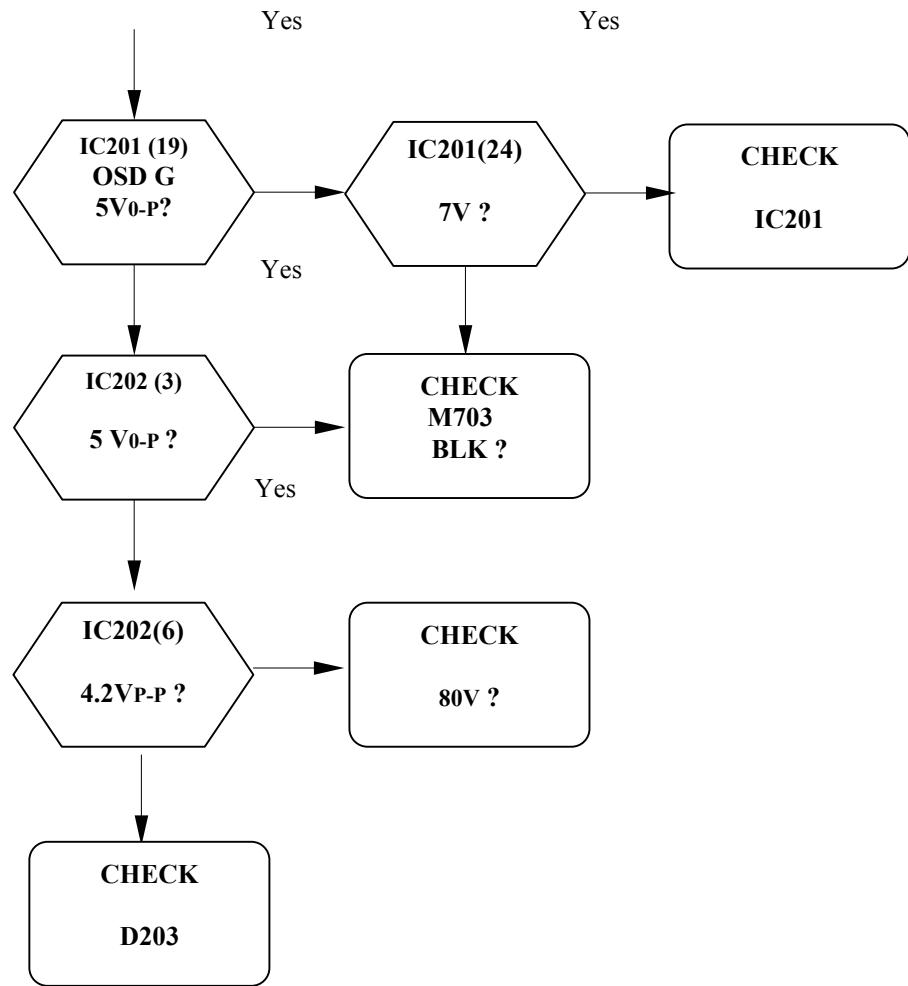
IC901 PIN40,PIN41 SIGNAL.

| | PIN40 | PIN41 |
|-----------------|----------|----------|
| NORMAL | H | H |
| STAND BY | H | L |
| SUSPEND | H | L |
| OFF | L | L |





Example : Missing Green
Condition : OSD on



I. REPLACEMENT PARTS LIST

986NS/787NS/786NS/777NS/772NS/572NS/562NS
Spare Parts List **REV:A**

| Location. | Parts Number | Parts Description | | Q'ty |
|--|--|--------------------------|----------------------|-------------|
| R631 | 210-100-0256 | 10Ω | 1/2W | 1 |
| R734 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-100-0256 Open | 10Ω | 1/2W | 1 |
| R762 | 210-100-0456 | 10Ω | 1/4W | 1 |
| R7A2 | 210-100-0856 | 10Ω | 1/8W | 1 |
| R612,611,663,912,918,926,927,976 R977 | 210-101-0456 | 100Ω | 1/4W | 9 |
| R205,235,265,281,284,285,516,664 R711A,918A,942,943,952,953,982 R984,985 | 210-101-0856 | 100Ω | 1/8W | 17 |
| R703 (986NS,787NS,786NS) (772NS) | 210-101-0856 Open | 100Ω | 1/8W | 1 |
| R736 (986NS,787NS,786NS,72NS) (572NS,562NS) | 210-102-0256 Open | 1KΩ | 1/2W | 1 |
| R735 (772NS) (572NS,562NS) | 210-102-0256 Open | 1KΩ | 1/2W | 1 |
| R525,740,754,7A8 | 210-102-0456 | 1KΩ | 1/4W | 4 |
| R210,240,270,533,546,626,755,793 R974,993 | 210-102-0856 | 1KΩ | 1/8W | 10 |
| R991 (986NS,787NS,786NS) (772NS) | 210-102-0856 Open | 1KΩ | 1/8W | 1 |
| R529,536,610,983 | 210-103-0456 | 10KΩ | 1/4W | 4 |
| R288,291,510,590, 606,615, 630, 651 R730,931,947 | 210-103-0856 | 10KΩ | 1/8W | 11 |
| R710 (986NS,786NS) (787NS,572NS,562NS) (772NS) | 210-103-0856 210-203-0856 210-133-0856 | 10KΩ 20KΩ 13KΩ | 1/8W 1/8W 1/8W | 1 |
| R724 (986NS,787NS,786NS,772NS,572NS) (562NS) | 210-103-0856 Open | 10KΩ | 1/8W | 1 |
| R797A (986NS,787NS,786NS,777NS) (772NS) | 210-103-0856 210-303-0856 | 10KΩ 30KΩ | 1/8W 1/8W | 1 |
| R2A3,770 | 210-104-0256 | 100KΩ | 1/2W | 2 |
| R508,731 | 210-104-0456 | 100KΩ | 1/4W | 2 |
| R725 (986NS,787NS,786NS,772NS,572NS) (562NS) | 210-104-0456 Open | 100KΩ | 1/4W | 1 |
| R767 | 210-104-0856 | 100KΩ | 1/8W | 1 |
| R757 | 210-105-0456 | 1MΩ | 1/4W | 1 |
| R745 (986NS,787NS,786NS772NS) (572NS,562NS) | 210-112-0856 Open | 1.1KΩ | 1/8W | 1 |
| R737 (986NS,786NS,772NS) (787NS,777NS) | 210-114-0456 210-134-0456 | 110KΩ 130KΩ | 1/4W 1/4W | 1 |
| R929 (986NS,772NS) (787NS) | 210-114-0456 210-683-0456 | 110KΩ | 1/4W | 1 |

| | | | | |
|---|--|------------------------------|------------------------------|---|
| (786NS) (777NS,572NS,562NS) | 210-823-0456 210-753-0456 | 68KΩ 82 KΩ 75 KΩ | 1/4W 1/4W 1/4W | |
| R303 | 210-123-0456 | 12KΩ | 1/4W | 1 |
| R666 (986NS) (787NS,786NS,772NS) (572NS,562NS) | 210-123-0856 210-223-0856 210-103-0856 | 12KΩ 22KΩ 10KΩ | 1/8W 1/8W 1/8W | 1 |
| R768 (986NS,787NS,786NS 772NS) (572NS,562NS) | 210-133-0856 210-822-0856 | 13KΩ 8.2KΩ | 1/8W 1/8W | 1 |
| R761 (986NS) (787NS,772NS) | 210-152-0456 210-272-0456 | 1.5KΩ 2.7KΩ | 1/4W 1/4W | 1 |
| R602 | 210-153-0456 | 15KΩ | 1/4W | 1 |
| R608 | 210-153-0856 | 15KΩ | 1/8W | 1 |
| R515,589 | 210-154-0856 | 150KΩ | 1/8W | 2 |
| R614 | 210-182-0856 | 1.8KΩ | 1/8W | 1 |
| R797A | 210-183-0856 | 18KΩ | 1/8W | 1 |
| R914 | 210-203-0456 | 20KΩ | 1/4W | 1 |
| R629 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-203-0856 221-081-1802 | 20KΩ 18KΩ | 1/8W 1% 1/8W | 1 |
| R307,732 | 210-2R2-0456 | 2.2Ω | 1/4W | 2 |
| R715 (772NS) (572NS) | 210-220-0256 210-470-0256 | 22Ω 47Ω | 1/2W 1/2W | 1 |
| R2A7 | 210-220-0456 | 22Ω | 1/4W | 1 |
| R207,237,267, | 210-221-0256 | 220Ω | 1/2W | 3 |
| R534 | 210-221-0456 | 220Ω | 1/4W | 1 |
| R205,235.265,910,911 | 210-221-0856 | 220Ω | 1/8W | 5 |
| R741 | 210-222-0856 | 2.2KΩ | 1/8W | 1 |
| R706,708 (986NS,787NS,786NS) (772NS) | 210-222-0856 Open | 2.2KΩ Open | 1/8W | 2 |
| R535,654,728 | 210-223-0856 | 22KΩ | 1/8W | 3 |
| R667 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-223-0856 210-153-0856 | 22KΩ 15KΩ | 1/8W 1/8W | 1 |
| R723 (986NS,787NS,786NS,772NS,572NS) (562NS) | 210-223-0856 Open | 22KΩ Open | 1/8W | 1 |
| R717 (986NS,787NS,786NS) (772NS) | 210-223-0856 Open | 22KΩ Open | 1/8W | 1 |
| R794A (986NS,787NS,786NS) (772NS) | 210-245-0856 Open | 2.4MΩ Open | 1/8W | 1 |
| R308 (986NS,786NS,772NS) (787NS) (572NS) (562NS) | 210-271-0256 210-471-0256 210-181-0256 210-391-0256 | 270Ω 470Ω 180Ω 390Ω | 1/2W 1/2W 1/2W 1/2W | 1 |
| R521,713 | 210-271-0456 | 270Ω | 1/4W | 2 |
| R670,7A1 | 210-302-0856 | 3.0KΩ | 1/8W | 2 |
| R514 | 210-303-0456 | 30KΩ | 1/4W | 1 |

| | | | | |
|---|------------------------------|-----------------|--------------|----|
| R979 | 210-330-0456 | 33Ω | 1/4W | 1 |
| R7A6 | 210-331-0856 | 330Ω | 1/8W | 1 |
| R674 (777NS,772NS) (572NS,562NS) | 210-331-0856 Open | 330Ω Open | 1/8W | 1 |
| R601,665 | 210-332-0856 | 3.3KΩ | 1/8W | 2 |
| R604 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-332-0856 210-103-0856 | 3.3KΩ 10KΩ | 1/8W 1/8W | 1 |
| R707 (986NS,787NS,786NS) (772NS) | 210-332-0856 Open | 3.3KΩ Open | 1/8W | 1 |
| R603 | 210-333-0456 | 33KΩ | 1/4W | 1 |
| R588 | 210-333-0856 | 33KΩ | 1/8W | 1 |
| R7A7 | 210-334-0256 | 330KΩ | 1/2W | 1 |
| R733 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-334-0456 Open | 330KΩ Open | 1/4W | 1 |
| R207,237,267 | 210-334-0856 | 330KΩ | 1/8W | 1 |
| R724,730 | 210-363-0856 | 36KΩ | 1/8W | 2 |
| R544 | 210-363-0456 | 36KΩ | 1/4W | 1 |
| R287 | 210-390-0256 | 39Ω | 1/2W | 1 |
| R765 | 210-392-0856 | 3.9KΩ | 1/8W | 1 |
| R7A3,928 | 210-393-0856 | 39KΩ | 1/8W | 2 |
| R615 (986NS) (787NS,786NS,772NS,572NS,562NS) | 210-432-0856 210-103-0856 | 4.3KΩ 10KΩ | 1/8W 1/8W | 1 |
| R588 | 210-433-0856 | 43KΩ | 1/8W | 1 |
| R712 | 210-4R7-0456 | 4.7Ω | 1/4W | 1 |
| R202,232,262,551,726,729 L200,L230,L260 | 210-470-0856 | 47Ω | 1/8W | 9 |
| R726 (986NS,787NS,786NS,772NS,572NS) (562NS) | 210-470-0856 Open | 47Ω Open | 1/8W | 1 |
| R908 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-471-0456 210-271-0456 | 470Ω 270Ω | 1/4W 1/4W | 1 |
| R771 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-471-0856 Open | 470Ω Open | 1/8W | 1 |
| R509,532,617,618, 903 | 210-472-0456 | 4.7KΩ | 1/4W | 5 |
| R980 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-472-0456 210-622-0456 | 4.7KΩ 6.2KΩ | 1/4W 1/4W | 1 |
| R901 (986NS,787NS,786NS) (772NS) | 210-472-0456 622-10a-9101 | 4.7KΩ Jumper | 1/4W | 1 |
| R283,2A8,620,653,727,741,933,934, R975,989,994 | 210-472-0856 | 4.7KΩ | 1/8W | 11 |
| R718 (986NS,787NS,786NS,772NS,572NS) (562NS) | 210-472-0856 Open | 4.7KΩ Open | 1/8W | 1 |
| R992,716,722,722A (986NS,787NS,786NS) (772NS) | 210-472-0856 Open | 4.7KΩ Open | 1/8W | 1 |
| R619,669 | 210-473-0456 | 47KΩ | 1/4W | 2 |
| R290,507,522,622,932,940,941, | 210-473-0856 | 47KΩ | 1/8W | 7 |

| | | | | |
|--|--|--------------------------|----------------------|----------|
| R501 | 210-474-0256 | 470K | 1/2W | 1 |
| R7B4 (986NS,787NS,786NS) (772NS) | Open 210-474-0856 | Open 470K | 1/8W | 1 |
| R206,236,266,2A2 | 210-510-0256 | 51Ω | 1/2W | 4 |
| R739,760 | 210-512-0856 | 5.1KΩ | 1/8W | 2 |
| R2A6 | 210-513-0856 | 51KΩ | 1/8W | 1 |
| R905 | 210-561-0456 | 560Ω | 1/4W | 1 |
| R920 | 210-561-0856 | 560Ω | 1/8W | 1 |
| R334 | 210-562-0456 | 5.6KΩ | 1/4W | 1 |
| R290.292.294.295 | 210-562-0856 | 5.6KΩ | 1/8W | 4 |
| R604 (986NS,787NS,786NS) (772NS) | 210-562-0856 210-332-0856 | 5.6KΩ 3.3KΩ | 1/8W 1/8W | 1 |
| R668 | 210-563-0456 | 56KΩ | 1/4W | 1 |
| R292 | 210-622-0856 | 6.2KΩ | 1/8W | 1 |
| R738 (986NS,786NS,772NS) (787NS) (572NS,562NS) | 210-622-0856 210-562-0856 210-752-0856 | 6.2KΩ 5.6KΩ 7.5 KΩ | 1/8W 1/8W 1/8W | 1 |
| R520 | 210-6R8-0456 | 6.8Ω | 1/4W | 1 |
| R791 | 210-682-0856 | 6.8KΩ | 1/8W | 1 |
| R746 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-682-0856 Open | 6.8KΩ Open | 1/8W | 1 |
| R588 | 210-683-0856 | 68KΩ | 1/8W | 1 |
| R744 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-683-0856 Open | 68KΩ Open | 1/8W | 1 |
| R201.231.261 | 210-750-0856 | 75Ω | 1/8W | 3 |
| R981 | 210-752-0456 | 7.5KΩ | 1/4W | 1 |
| R652 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-822-0856 210-273-0856 | 8.2KΩ 27KΩ | 1/8W 1/8W | 1 |
| R766 (986NS,772NS,572NS,562NS) (787NS) (786NS) | 210-822-0856 210-682-0856 210-512-0856 | 8.2KΩ 6.8KΩ 5.1KΩ | 1/8W 1/8W 1/8W | 1 |
| R616 | 210-823-0856 | 82KΩ | 1/8W | 1 |
| R605 (986NS,787NS,786NS,772NS) (572NS,562NS) | 210-823-0856 210-273-0856 | 82KΩ 27KΩ | 1/8W 1/8W | 1 |
| R539 | 210-9R1-0256 | 9.1Ω | 1/8W | 1 |
| R703A | 213-1R0-1059 | 1.0Ω | R-NF | 1W |
| R2A1 | 213-2R2-1059 | 2.2Ω | R-NF | 1W |
| R2A4 | 213-7R5-1059 | 7.5Ω | R-NF | 1W |
| R758 | 213-102-2059 | 1KΩ | R-NF | 2W |
| R326 (986NS,786NS,772NS) (787NS,777NS) | 213-R82-1055 213-R91-1055 | 0.82Ω 0.91Ω | R-MNF R-MNF | 1W 1W |
| R502,504 | 213-823-2059 | 82KΩ | R-MNF | 2W |
| R732 | 214-2R2-0259 | 2.2Ω | R-FR | 1/2W |

| | | | |
|--|---------------|---------------------|---|
| RP901 | 216-472-0457 | 4.7KΩ ±5% R-NW | 1 |
| NTC501 (986NS,786NS,787NS) (772NS,572NS,562NS) | 218-7R0-0871 | 7Ω 8A NTC | 1 |
| | 218-8R0-0371 | 8Ω 3A NTC | |
| PTC501 | 219-9R0-0171 | 9Ω PTC | 1 |
| R711 (986NS,787NS,786NS) (772NS) (562NS) | 220-150-2059 | 15Ω R-MNF 2W | 1 |
| | 220-270-2059 | 27Ω R-MNF 2W | |
| | 220-300-2059 | 30Ω R-MNF 2W | |
| R704 (986NS) (787NS) | 220-151-2059 | 150Ω R-MNF 2W | 1 |
| | 220-331-2059 | 330Ω R-MNF 2W | |
| R777 | 220-2R2-1059 | 2.2Ω R-MNF 1W | 1 |
| R513 | 220-2R7-3059 | 2.7Ω R-MNF 3W | 1 |
| R714 (986NS) (787NS,786NS) (772NS) (572NS) | 220-R33-3059 | 0.33Ω R-MNF 3W | 1 |
| | 220-R47-3059 | 0.47Ω R-MNF 3W | |
| | 220-R39-3059 | 0.39Ω R-MNF 3W | |
| | 220-R30-3059 | 0.30Ω R-MNF 3W | |
| R623 | 220-4R7-2059 | 4.7Ω R-MNF 2W | 1 |
| R528 | 220-561-1059 | 560Ω R-MNF 1W | 1 |
| R503 | 220-753-3059 | 75KΩ R-MNF 3W | 1 |
| R705 (986NS,787NS,786NS) (772NS) | 220-8R2-2059 | 8.2Ω R-MNF 2W | 1 |
| | Open | Open | |
| R609 (986NS,787NS,786NS) (772NS) (572NS,562NS) | 221-081-1152 | 11.5KΩ 1% 1/8W | 1 |
| | 221-081-1052 | 10.5KΩ 1% 1/8W | |
| | 221-081-1102 | 11KΩ 1% 1/8W | |
| R749 | 221-081-2400 | 240Ω 1% 1/8W | 1 |
| R747 | 221-081-2702 | 27KΩ 1% 1/8W | 1 |
| R752 | 221-081-3003 | 300KΩ 1% 1/8W | 1 |
| R751 (986NS,787NS,786NS) (772NS) | 221-081-3003 | 300KΩ 1% 1/8W | 1 |
| | 221-081-2003 | 200KΩ 1% 1/8W | |
| R302 | 221-081-3572 | 35.7KΩ 1% 1/8W | 1 |
| R753 (986NS) (787NS,772NS,572NS,562NS) (786NS) | 221-081-3902 | 39KΩ 1% 1/8W | 1 |
| | 221-081-3242 | 32.4KΩ 1% 1/8W | |
| | 221-081-4122 | 41.2KΩ 1% 1/8W | |
| R748 | 221-081-5101 | 5.1KΩ 1% 1/8W | 1 |
| R613 | 221-081-5621 | 5.62KΩ 1% 1/8W | 1 |
| R333 | 221-081-5761 | 5.76KΩ 1% 1/8W | 1 |
| R750 | 221-081-6190 | 619Ω 1% 1/8W | 1 |
| PTC502 | 222-040-7200T | Polyswitch 0.4A/72V | 1 |
| VR501,VR601 | 231-202-0677 | 2K,VR | 2 |
| R526 | 232-R22-2059 | 0.22Ω R-WR 2W | 1 |
| R759 (986NS) (787NS) (772NS) | 232-R24-2059 | 0.24Ω R-WR 2W | 1 |
| | 232-R30-3059 | 0.3Ω R-WR 3W | |
| | 232-R68-3059 | 0.68Ω R-WR 3W | |
| R795 (986NS,787NS,786NS) (772NS) | Open | Open | 1 |
| | Short | Short | |

| | | | | |
|---|------------------------------|---------------|--------------|-----|
| R781 (986NS,787NS,786NS) (772NS) | Open Short | Open Short | | 1 |
| R780 (986NS,787NS,786NS) (772NS) | Short Open | Short Open | | 1 |
| R794 (986NS,787NS,786NS) (772NS) | Open 210-823-0856 | Open 82KΩ | 1/8W | 1 |
| R701,702 (986NS,787NS,786NS,772NS) (572NS,562NS) | Open Short | Open Short | | 1 |
| R661 (772NS) (572NS,562NS) | Short 210-100-0856 | Open 10Ω | 1/8W | 1 |
| R662 (772NS) (572NS,562NS) | Open 210-363-0856 | Open 36KΩ | 1/8W | 1 |
| C935,948 | 300-1R0-5020 | 1.0u | 50V | E.C |
| C949 (986NS,787NS,786NS) (772NS) | 300-1R0-5020 Open | 1.0u Open | 50V | E.C |
| C750 (986NS,787NS,786NS) (772NS) | Open 300-1R0-5020 | Open 1.0u | 50V | E.C |
| C205,235,265 | 300-1R0-0122 | 1.0u | 100V | E.C |
| C922 | 300-100-1620 | 10u | 16V | E.C |
| C270,274,582,704,907 | 300-100-5020 | 10u | 50V | E.C |
| C725 (986NS,787NS,786NS,772NS) (572NS,562NS) | 300-100-5020 Open | 10u Open | 50V | E.C |
| C275,276,278 | 300-100-0120 | 10u | 100V | E.C |
| C722 | 300-100-0423 | 10u | 250V | E.C |
| C505,507,527,601 | 300-101-1623 | 100u | 16V | E.C |
| C523 | 300-101-2520 | 100u | 25V | E.C |
| C325,703 | 300-101-3520 | 100u | 35V | E.C |
| C525 | 300-102-1623 | 1000u | 16V | E.C |
| C323,520 | 300-102-2523 | 1000u | 25V | E.C |
| C206,236,266 | 300-R22-0122 | 0.22u | 100V | E.C |
| C716 | 300-2R2-0423-SL | 2.2u | 250V | E.C |
| C623,742 | 300-220-1620 | 22u | 16V | E.C |
| C520 | 300-220-0222 | 22u | 160V | E.C |
| C504 (986NS,787NS,786NS) (772NS,572NS,562NS) | 300-221-0522 300-151-0522 | 220u 150u | 400V 400V | E.C |
| C521 (986NS,787NS,786NS) (772NS,572NS,562NS) | 300-331-0123 300-221-0123 | 330u 220u | 100V 100V | E.C |
| C510,612,613,715,774, 901 | 300-4R7-5020 | 4.7u | 50V | E.C |
| C773 (986NS,787NS,786NS,772NS,572NS) (562NS) | 300-4R7-5020 Open | 4.7u Open | 50V | E.C |
| C772 (986NS,787NS,786NS) (772NS) | 300-4R7-5020 Open | 4.7u Open | 50V | E.C |
| C272,2A4,607,615 | 300-470-1620 | 47u | 16V | E.C |
| C745 (986NS,787NS,786NS) (772NS) | 300-470-1620 300-4R7-1620 | 47u 4.7u | 16V 16V | E.C |
| | | | | 1 |

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|---|--|-------------------------|--------------------|-------------------|----|
| C744 | 300-470-0120 | 47u | 100V | E.C | 1 |
| C501,519,305 | 300-471-2520 | 470u | 25V | E.C | 3 |
| C701 | 300-6R8-5020 | 6.8u | 50V | E.C | 1 |
| R545 | 300-680-3520 | 68u | 35V | E.C | 1 |
| C609 | 305-103-0550 | 0.01u | 50V | PE | 1 |
| C292,626,627,628,629,905,906,914 C915,916,917 | 307-101-1170 | 100p | 50V | C.C | 11 |
| C518,618A,771,740A | 307-102-1160 | 1000p | 50V | C.C | 4 |
| C2A2 | 307-102-3570 | 1000p | 500V | C.C | 1 |
| C602,778,779 | 307-103-1170 | 0.01u | 50V | C.C | 3 |
| C277,2A7,506,515,528,746,747 | 307-103-3570 | 0.01u | 500V | C.C | 7 |
| C714 (986NS,787NS,786NS,772NS) (572NS,562NS) | 307-103-3570 Open | 0.01u Open | 500V | C.C | 1 |
| C603,622 | 307-104-1770 | 0.1u | 50V 10% | C.C | 2 |
| C614 | 307-221-1170 | 220p | 50V 10% | C.C | 1 |
| C517,551,552,733 | 307-221-3570 | 220p | 500V | C.C | 4 |
| C718 (986NS,787NS,786NS,772NS) (572NS,562NS) | 307-221-3570 Open | 220p Open | 500V | C.C | 1 |
| C294 | 307-182-1170 | 1800p | 50V | C.C | 1 |
| C550,625,705 | 307-222-1170 | 2200p | 50V | C.C | 3 |
| C776 (986NS,787NS,786NS,772NS) (572NS,562NS) | 307-222-1170 Open | 2200p Open | 50V | C.C | 1 |
| C726 | 307-222-3570 | 2200p | 500V | C.C | 1 |
| C618 | 307-223-1170 | 0.022u | 50V | C.C | 1 |
| C515 | 307-223-3570 | 0.022u | 500V | C.C | 1 |
| C2A9 | 307-330-1170 | 33p | 50V | C.C. | 1 |
| C509,751,752 | 307-331-1170 | 330p | 50V | C.C. | 3 |
| C748,749,912,911 | 307-471-1170 | 470p | 50V 10% | C.C | 4 |
| C526,741 | 307-471-3570 | 470p | 500V 10% | C.C | 2 |
| C780 (986NS) (787NS,786NS,772NS,772NS,572NS,562NS) | 307-472-1170 307-822-1170 | 4700p 8200p | 50V 10% | C.C C.C | 1 |
| C2A3 | 307-472-6570 | 4700p | 2KV | C.C | 1 |
| C583 | 307-561-1160 | 560p | 50V | C.C. | 1 |
| C617 (986NS) (787NS,786NS,772NS,572NS,562NS) | 308-180-1150 Open | 18p Open | 50V | C.C | 1 |
| C740 | 308-301-1152 | 300p | 50V C.C. NPO | | 1 |
| C918,919 | 308-470-1150 | 47p | 50V C.C. NPO | | 2 |
| C792 | 308-101-6860 | 100p | 2KV 10% | C.C | 1 |
| C732 (986NS,787NS,786NS) (772NS) | 309-102-1552 Open | 1000p Open | 1.5KV | PHM | 1 |
| C713 (787NS) (772NS) (562NS) | 309-332-1052 309-392-1052 309-472-0652 | 3300p 3900p 3300p | 1KV 1KV 630V | PHM PHM PHM | 1 |
| C712 (986NS,787NS,786NS,777NS,562NS) | 309-432-1552 | 4300p | 1.5KV | PHM | 1 |

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|--|---------------------|--------------|-------|-------|-----|
| (772NS,572NS) | 309-472-1552 | 4700p | 1.5KV | PHM | |
| C620,790 | 310-104-0252 | 0.1u | 250V | MEM | 2 |
| C710 (986NS,786NS) (787NS) (772NS) (572NS) (562NS) | 310-154-0252 | 0.15u | 250V | MPP | |
| | 310-823-0252 | 0.082u | 250V | MPP | 1 |
| | 310-824-0252 | 0.82u | 250V | MPP | |
| | 310-684-0252 | 0.68u | 250V | MPP | |
| | 310-394-0252 | 0.39u | 250V | MPP | |
| C716 | 310-225-0252-H | 2.2u | 250V | MPP | 1 |
| C717 (986NS,786NS,772NS) (787NS,777NS) (572NS,562NS) | 310-274-0452 | 0.27u | 400V | MPP | |
| | 310-224-0452 | 0.22u | 400V | MPP | 1 |
| | 310-334-0452 | 0.33u | 400V | MPP | |
| C709 (986NS,786NS) (787NS) (777NS,772NS) (572NS) (562NS) | 310-394-0252-1 | 0.39u | 250V | MPP | |
| | 310-274-0252 | 0.27u | 250V | MPP | 1 |
| | 310-224-0252 | 0.22u | 250V | MPP | |
| | 310-184-0252 | 0.18u | 250V | MPP | |
| | Open | Open | | | |
| C731 (986NS,787NS) (786NS) (772NS) | 310-824-0452 | 0.82u | 250V | MPP | |
| | 310-105-0252 | 1u | 250V | MPP | 1 |
| | Open | Open | | | |
| C508,524 | 315-224-2572 | 0.22u | 250V | X-CAP | 2 |
| C502,503,555 | 317-222-4072 | 2200p | 400V | Y-CAP | 3 |
| C540,541 (986NS,772NS) (787NS,786NS) | 317-472-4072 N/P | 4700p N/P | 400V | Y-CAP | 2 |
| C619 | 318-102-0550 | 1000p | 50V. | MEM | 1 |
| C611 | 318-103-0550 | 0.01u | 50V. | MEM | 1 |
| C310,608,721 | 318-104-0550 | 0.1u | 50V | MEM | 3 |
| C620,790 | 318-104-0250 | 0.1u | 250V | MEM | 2 |
| C727 | 318-105-1052 | 1u | 100V | MEM | 1 |
| C793 | 318-152-0152 | 1500p | 100V. | MEM | 1 |
| C605 | 318-154-0550 | 0.15u | 50V | MEM | 1 |
| C307 | 318-224-0550 | 0.22u | 50V | MEM | 1 |
| C606 | 318-474-0550 | 0.47u | 50V | MEM | 1 |
| C309 (986NS,787NS,786NS) (772NS,572NS,562NS) | 318-682-0550 | 6800p | 50V | 10% | MEM |
| | 318-103-0550 | 0.01u | 50V | 10% | MEM |
| C719,720 (986NS,787NS,786NS) (772NS) (572NS,562NS) | 319-101-1060 | 100p | 1KV | C.C | |
| | 319-151-1060 | 150p | 1KV | C.C | 2 |
| | Open | Open | | | |
| C522 | 319-221-1060 | 220p | 1KV | 10% | C.C |
| C516 | 326-222-0520 | 2200p | 50V | 2% | PL |
| C610 | 326-821-0520 | 820p | 50V | 2% | PL |
| C201,231,261,701 | 328-103-2260 | 0.01u | 50V | C.C | 4 |
| C777 (986NS,787NS,786NS) (772NS) | 328-103-2260 | 0.01u | 50V | C.C | 1 |
| | Open | Open | | | |
| C708,778 (986NS,787NS,786NS,772NS,572NS) (562NS) | 328-103-2260 | 0.01u | 50V | C.C | 2 |
| | Open | Open | | | |
| C271,291,293,295,202,232,262,2A1, C2A5,2A6,603,622,616,513,903,904, | 328-104-2690 | 0.1u | 50V | C.C | 23 |

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|--|---------------------------------|-----------------------------|----|
| C 908,909,920,921,902A,902B,724 | | | |
| C702,730 (986NS,787NS,786NS) (772NS) | 328-104-2690 Open | 0.1u 50V C.C Open | 2 |
| SW902,903 | 401-170-D200 | Tact Switch | 2 |
| SW901 | 401-240-0501 | Encoder | 1 |
| SW501 | 401-270-0402 | Soft Power Switch | 1 |
| RL501 | 402-001-212DM | DSA-SS-212DM5 Relay | 1 |
| RL701 (986NS,787NS,786NS) (772NS) | 402-001-212DM5 Open | DSA-SS-212DM5 Relay Open | 1 |
| JK302 | 409-003-0104A | Phone Jack 3Pin | 1 |
| JK301 | 409-003-0201A | DC Jack 3Pin | 1 |
| IC902 Socket | 410-008-0102 | IC902 Socket 8Pin | 1 |
| CRT SOCKET (17") (15") | 411-100-0006 411-100-0002 | CRT Socket | 1 |
| P501 (986NS,787NS,786NS,772NS) (572NS,562NS) | 412-600-0001 Open | AC Inlet Socket | 1 |
| SG281 | 430-301-0001 | 300V | 1 |
| IC902 | 501-000-2408 | AT24C08 | 1 |
| IC901 | 503-100-62P2-P | CPU | 1 |
| IC201 | 504-550-1237 | LM1237 | 1 |
| IC202 | 504-000-2480 | LM2480 | 1 |
| IC203 | 504-000-2469 | TDA2469 | 1 |
| IC203 Heat Sink (986NS,787NS,786NS) (772NS,572NS,562NS) | 123-003-P6SE-E 123-003-P6NS | IC203 H.S | 1 |
| IC301 | 504-900-8172 | TDA8172 | 1 |
| IC301 Heat Sink (986NS,787NS,786NS) (772NS,572NS,562NS) | 120-002-P6SE-B 120-002-772NS | IC301,H.S | 1 |
| Silicon Rubber | 120-100-2001 | For IC301 | 1 |
| Shoulder Washers | 540-500-2002C | For IC301 | 1 |
| IC501 | 504-200-3842A | KA3842A | 1 |
| IC502 | 505-1R5-7812 | LM7812 (TO-220) | 1 |
| IC503 | 505-093-76285 | AMC76289 300mA/5V | 1 |
| IC601 (19",17") (15") | 504-700-9116 504-700-9115 | TDA9116 TDA9115 | 1 |
| IC203 | 504-000-2469 | LM2469 | 1 |
| Q281,602,653,714,715,903 | 510-000-0733 | 2SA733 | 6 |
| Q505 | 510-010-772SP | HSB772S (TO - 92) | 1 |
| Q502,508,511,513,601,606,651,708 Q711,722,902,904,907 | 510-023-0945 | 2SC945P | 13 |
| Q710 | 510-200-0423 | BF423 | 1 |
| Q702 (986NS,787NS,786NS) (772NS,572NS,562NS) | 511-001-2865 510-BSN-0254A | 2SK2865 BSN254A | 1 |
| Q704, 725 (986NS,787NS,786NS) (772NS) | 510-023-0945 Open | 2SC945P Open | 2 |
| Q706, (986NS,787NS,786NS,772NS,572NS) | 510-023-0945 | 2SC945P | 1 |

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| (562NS) | Open | Open | |
| Q726 | 510-023-0945-P | 2SC945P | 1 |
| Q501 | 510-010-0772 | HSB772 (TO - 126) | 1 |
| Q701 (986NS,787NS,786NS) (772NS) | 510-010-0772 Open | HSB772 (TO - 126) Open | 1 |
| Q713 (986NS,787NS,786NS,772NS) (572NS,562NS) | 510-300-SA44 Open | HMPSA44 Open | 1 |
| Q504 | 511-001-2141 511-001-2746 | 2SK2141 2SK2746 (For PFC) | 1 |
| Q504 Heat Sink(986NS,787NS,786NS) (772NS) | 120-001-P6SE-E 120-001-772I-E | Q504 Heat Sink | 1 |
| Q717 | 510-250-0122 | TIF122 | 1 |
| Silicon Rubber | 540-100-2001 | For Q717,Q719,D719 | 1 |
| Shoulder Washers | 540-500-2002-C | For Q717,Q719 | 1 |
| Q703 (986NS,787NS,786NS) (772NS) (572NS,562NS) | 510-023-5411 510-023-5449 510-023-5448 | 2SC5411 2SC5449 2SC5448 | 1 |
| Q703 Heat Sink(986NS,787NS,786NS) (772NS) | 120-001-P6SE-E 120-003-772NS | Q717,703,D709,Q719 H.S | 1 |
| Q707 (986NS,787NS,786NS) (772NS,572NS) (562NS) | 511-005-0644 511-005-0634 Open | IRF644 IRF634 Open | 1 |
| Q719,709 | 511-005-0634 | IRF634 | 2 |
| Q709 Heat Sink (986NS,787NS,786NS,562NS) (772NS,572NS) | Open 120-005-A564-A | Q709 Heat Sink | 1 |
| LED901 | 520-005-73GD | 5 ϕ LED | 1 |
| D304 | 520-010-4002 | 1N4002 | 1 |
| D201,231,261,202,232,262,203,233 D263,503,507,518,532,601,602,603 D604,606,610,611,711A,713,714,716 D720,725,752,753,901,902,904 | 520-001-4148 | 1N4148 | 31 |
| D605 (986NS,787NS,786NS) (772NS) | 520-001-4148 Open | 1N4148 Open | 1 |
| D703,704 (986NS,787NS,786NS) (772NS) | 520-001-4148 Open | 1N4148 Open | 2 |
| D755 (986NS,787NS,786NS) (772NS) | Open 520-001-4148 | Open 1N4148 | 1 |
| D505,712,715,708 | 520-010-4936 | 1N4936 | 4 |
| D726 (986NS,772NS) (787NS,786NS,562NS) | 520-010-4936 N/P | 1N4936 N/P | 1 |
| D707 (986NS,787NS,786NS,772NS,572NS) (562NS) | 520-010-4936 Open | 1N4936 Open | 1 |
| D711 (986NS,787NS,786NS,772NS) (572NS,562NS) | 520-010-4937 Open | 1N4937 Open | 1 |
| ZD702 (986NS,787NS,786NS,772NS) (572NS,562NS) | 521-005-03R6 521-005-06R2 | HZ4A2 (3.6V) HZ6C2 (6.2V) | 1 |
| ZD281,701,901,902,903,904.281 | 521-005-05R0 | HZ5C1 | 7 |
| ZD601,612 | 521-005-13R0 | HZ13V | 2 |

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|--|----------------------------------|----------------------------------|---|
| ZD551 | 521-005-18R0 | HZ18V | 1 |
| ZD502 | 521-005-30R0 | HZ30V | 1 |
| ZD501 | 521-005-56R0 | HZ56V | 1 |
| D205.235.265 | 522-010-SS83 | 1SS83 | 3 |
| D501 | 522-010-T42M | BYT42M | 1 |
| D513 | 522-020-H203 | HER203 | 1 |
| D508 | 522-020-H207-F | HER207G-F | 1 |
| D514,515,516,517 | 522-020-L205 | RL205 | 4 |
| D502,510 | 522-030-H303G-F | HER303G | 2 |
| D719 | 522-030-H305G-F | HER305G | 1 |
| D509 | 522-030-H305G | HER305G | 1 |
| D509 Heat Sink (986NS,787NS,786NS) (772NS,572NS) | 120-001-0916-C 120-005-A564-A | D509 Heat Sink | 1 |
| D710 (986NS,787NS,786NS) (772NS) | Open 522-030-H306G | Open HER306G | 1 |
| D710 Heat Sink (986NS,787NS,786NS, 562NS) (772NS,572NS) | Open 120-005-A564-A | D710 Heat Sink | 1 |
| D709 (986NS,787NS,786NS) (772NS) | 522-050-023M 522-110-BY329 | ESC023M-15 BY329-1500 | 1 |
| D705 | 522-010-5818 | 1N5818 | 1 |
| X901 | 530-120-0001 | RESONATOR,12MHz | 1 |
| F501 | 550-141-3000 | 3.15A,250V | 1 |
| FUSE CLIP | 551-021-0001 | | 2 |
| Wire | 620-040-0200 | G3 to G3' | 1 |
| P502 | 630-002-2002 | 2P 1.56D Base | 1 |
| P701 | 630-004-3001 | 4P 2.36D Base | 1 |
| P281,505,TCO | 630-001-3001 | 1P 2.36D | 3 |
| P601 | 630-002-1009 | For X-Ray Test | 1 |
| P301,901 | 630-002-4001 | 2P 0.6D | 2 |
| P902 | 630-005-4001 | For Signal Cable | 1 |
| P903 (986NS,787NS,777NS) (786NS,772NS) | 630-003-4003 630-002-4001 | 3P Pitch 2.5mm 2P Pitch 2.5mm | 1 |
| P905 | 630-009-1009 | 9P Pitch 2.0mm | 1 |
| P201 | 630-006-4001R | 6P 2.0mm Base | 1 |
| P202 | 630-012-1009 | 12P 2.0mm Base | 1 |
| POWER CORD(986NS,787NS,786NS,772NS) (572NS) | 600-151-2804D 600-131-4000P | 150mm Build in Power Cord | 1 |
| SIGNAL CABLE | 610-171-15801 | Signal Cable | 1 |
| Rear Support Bracket | 121-001-P6SE-B | | 1 |
| Rear Bracket | 121-002-P6SE-A | | 1 |
| CRT Cover | 123-004-P6SE | | 1 |
| CRT DY Cover | 123-002-768I-A | For TCO | 1 |

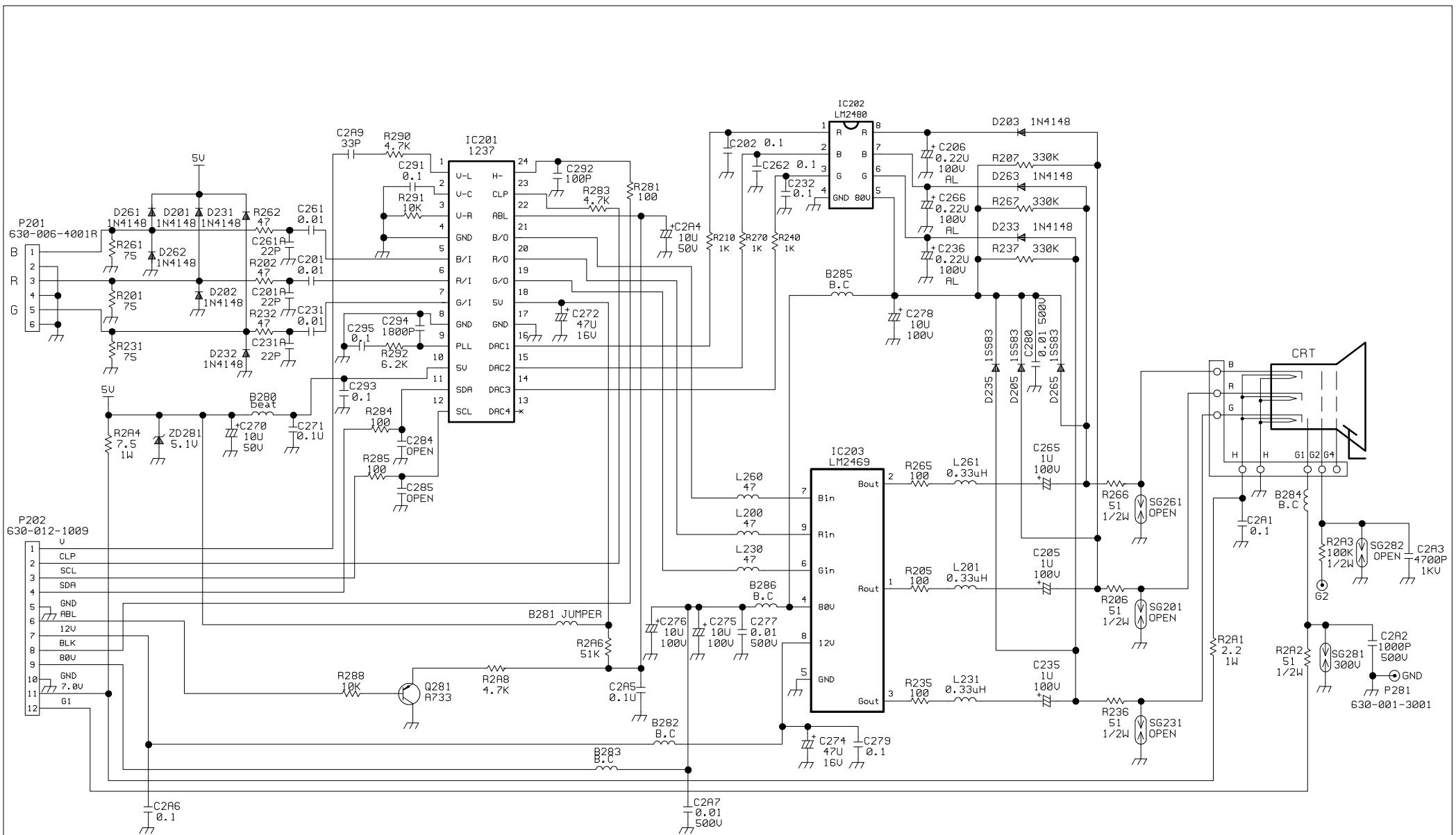
| | | | |
|--|--|---|----------------|
| CRT | 700-119-246P 700-117-25PF-2 700-117-26SS 700-117-2806 700-115-2823 | 986NS 787NS 786NS 772NS 562NS | 1 |
| T703 (986NS,787NS,786NS,772NS) (572NS,562NS) | 730-400-770VC Open | Focus choke | 1 |
| T501 | 730-102-P6SE-A | Power Converter | 1 |
| T702 | 730-200-770VC | H-Driver | 1 |
| T701 (986NS,787NS,786NS) (772NS) (572NS) (562NS) | 730-302-P6SE 730-302-770VC-2 730-302-572VC-2 730-302-562N-A | FBT | 1 |
| Degaussing Coil (986NS) (787NS,72NS) (572NS,562NS) | 735-019-X998A-B 735-017-X771-C 735-015-X571-C | | 1 |
| Roation Coil (986NS,787NS) (786NS,772NS) (572NS,562NS) | N/P 740-500-564I-I 740-500-564I-2 | N/P 260 Turns 200 Turns | 1 |
| L200.260 | 745-R68-1162 210-470-0856 | 0.68uH 47Ω | 1/2W 1/8W |
| L230,201,231,261 | 745-R33-1162 | 0.33uH | 1/2W |
| L705 (772NS)) (572NS) (562NS) | 745-5R2-3062 745-5R1-3082 740-200-562N | H-Line Coil | 1 |
| L703 (986NS,787NS,786NS) (772NS) | 745-151-2084 745-201-2084B | H-Size Coil H-Size Coil | 150uH 200uH |
| L704 | 745-720-2084 | Step Up Coil | 72uH |
| L502 | 750-100-770VC | Line-Filter | 1 |
| L503 | 750-150-K998 | Line-Filter | 1 |
| B280,284,B283,L706,701,511,515, L900,R585,Q504(G) | 760-100-0002 | Bead Core | 10 |
| L506,507,508,509,510,512,701 | 760-000-0001 | Bead Core | 7 |
| L703A | 760-100-0001-T | Bead Cord | 1 |
| Ring Core (772NS) (572NS,562NS) | 760-300-0003 Open | For G2,G4 25x15x12mm | 1 |
| Ground Wire (986NS) (787NS) (772NS) (572NS,562NS) | 800-102-P619 800-100-772NS-A 800-104-P617 800-100-562NS | For CRT | 1 |
| PFC Assembly Kit (For 17"/19") | | | |
| T505 | 730-122-P7SE-2 | PFC Choke 180uF | 1 |
| C571 | 318-684-4052-Y | 0.68uF 400V MM-CON | 1 |
| C572 ,574 | 307-103-3572 | 0.01uF 500V C.C | 2 |
| C573 | 307-471-3170 | 470pF 500V C.C | 1 |
| D552 | 522-023-H308 | HER308G | 1 |
| D551 | 522-010-H105 | HER105 | 1 |

J. CONDUCTION VIEW

MAIN BOARD (Component Side)

MAIN BOARD (Soild Side)

K. SCHEMATIC DIAGRAM



| | | |
|--------------------------------|-----|------|
| PROVIEW | DRN | |
| ELECTRONICS (TAIWAN) CO., LTD. | DSN | |
| CRT BOARD. (772NS) | CKD | |
| P6CRTNA.SCH | A | APPD |
| DATE : 2002-01-30 | | |

